DEPARTMENT OF ECOLOGY

2025 – 2035 Capital Budget

Washington State Department of Ecology
Olympia, Washington

September 10, 2024

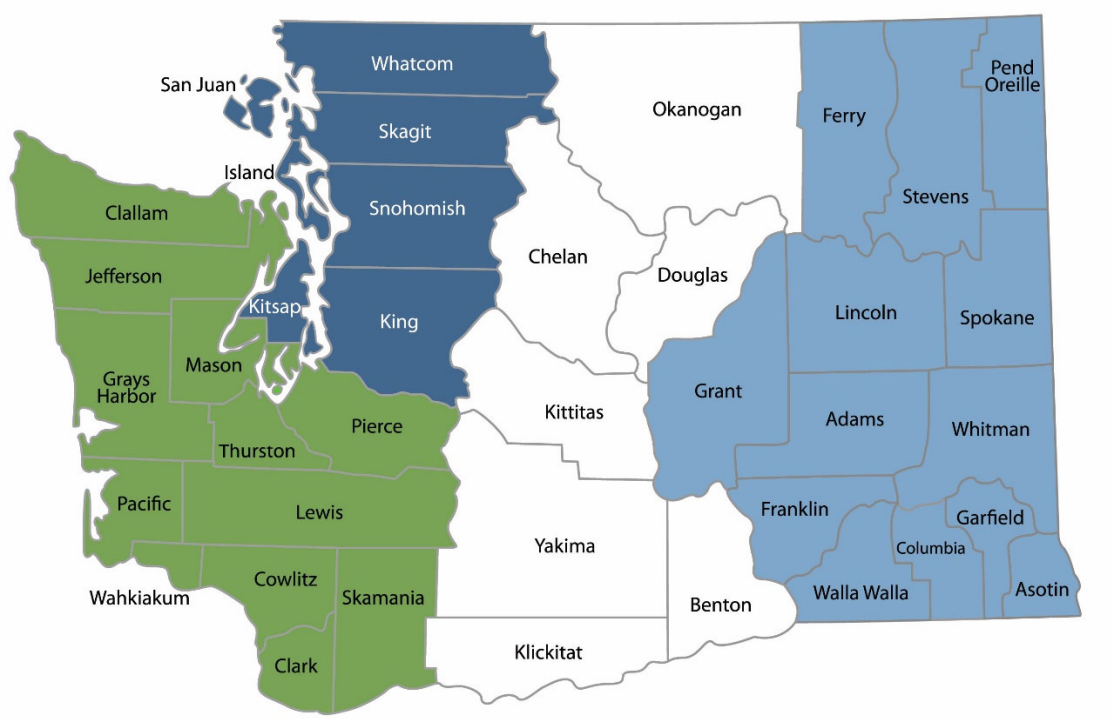
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Department of Ecology's Regional Offices

Map of Counties Served



Southwest Region 360-407-6300	Northwest Region 206-594-0000	Central Region 509-575-2490	Eastern Region 509-329-3400

Region	Counties served	Mailing Address	Phone
Southwest	Clallam, Clark, Cowlitz, Grays Harbor, Jefferson, Mason, Lewis, Pacific, Pierce, Skamania, Thurston, Wahkiakum	P.O. Box 47775 Olympia, WA 98504	360-407-6300
Northwest	Island, King, Kitsap, San Juan, Skagit, Snohomish, Whatcom	P.O. Box 330316 Shoreline, WA 98133	206-594-0000
Central	Benton, Chelan, Douglas, Kittitas, Klickitat, Okanogan, Yakima	1250 West Alder Street Union Gap, WA 98903	509-575-2490
Eastern	Adams, Asotin, Columbia, Ferry, Franklin, Garfield, Grant, Lincoln, Pend Oreille, Spokane, Stevens, Walla Walla, Whitman	4601 North Monroe Spokane, WA 99205	509-329-3400
Headquarters	Statewide	P.O. Box 46700 Olympia, WA 98504	360-407-6000

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STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
PO Box 47600, Olympia, WA 98504-7600 • 360-407-6000

September 10, 2024

TO: Pat Sullivan, Director
Office of Financial Management (OFM)

FROM: Laura Watson, Director

SUBJECT: Ecology's 2025-27 Biennial Capital Budget Request

As the state's lead environmental agency, Ecology's mission is to protect and preserve the environment for current and future generations, while valuing and supporting Washington's economic success. We're tackling challenges that are unique to our times and require us to take a broad and holistic approach to our work that focuses on not only *what* we do, but also *how* we do it.

Ecology's strategic goals are to:

- Support and engage our communities, customers, and employees.
- Reduce and prepare for climate change impacts.
- Prevent and reduce waste, toxic threats, and pollution.
- Protect and manage our state's waters.

Our agency's deep commitment to environmental justice is tied to each of our strategic goals and guides the way we work to accomplish those goals.

Attached is Ecology's 2025-27 biennial capital budget request. It reflects an economy that is largely recovered from the impacts of the COVID-19 pandemic and aims to help support our communities, while continuing to protect environmental and public health through a focus on equity and environmental justice. This request will provide economic benefits to the state by creating over 3,600 private sector jobs per year during the next four years (based on OFM estimates) and pass through over a billion dollars in new project funding to local communities.

Ecology's 2025-27 biennial capital budget request totals $1.46 billion. This request is supported primarily by dedicated environmental funds, federal funds, or state bonds for projects that:

- Promote local economic development through cleaning up contaminated sites for redevelopment.

- Improve water quality and protect salmon.
- Reduce air pollution and greenhouse gas emissions.
- Deliver water for fish, farms, and people.
- Address local environmental and public health priorities.
- Protect, restore, and enhance state-owned facilities.
- Create jobs.

Thank you for considering Ecology's 2025-27 biennial capital budget request. We will work with our assigned OFM capital budget analysts as they review this request in detail. Please let us know if you have questions.

Attachment

Distribution to:
Myra Baldini, Capital Budget Advisor to the Governor, OFM
Lisa Borkowski, Budget Advisor to the Governor, OFM
Wendy Brown, Senior Fiscal Analyst, Senate Ways & Means Committee
Jim Cahill, Senior Budget Advisor to the Governor, OFM
K.D. Chapman-See, Legislative Liaison, Legal and Legislative Affairs, OFM
Debbie Driver, Senior Policy Advisor, Transportation, Office of the Governor
Rob Duff, Executive Director, Policy & Outreach, Office of the Governor
Dawn Eychaner, Fiscal Analyst, House Capital Budget Committee
Adam Eitmann, Governmental Affairs Director, Department of Ecology
Jed Herman, Senior Fiscal Analyst, Senate Ways & Means Committee
Dan Jones, Fiscal Analyst, House Appropriations/Natural Resources Committee
Kelci Karl-Robinson, Capital Budget Coordinator, House Capital Budget Committee
Becky Kelley, Senior Policy Advisor, Climate, Office of the Governor
Anna Lising, Senior Policy Advisor, Energy, Office of the Governor
Jennifer Masterson, Senior Budget Advisor to the Governor, OFM
Ruth Musgrave, Senior Policy Advisor, Natural Resources, Office of the Governor
Sheri Sawyer, Executive Director, Legislative Affairs, Office of the Governor
Carrie Sessions, Senior Policy Advisor, Environment & Water, Office of the Governor
Nona Snell, Budget Division Director, OFM
Garret Ward, Chief Financial Officer, Department of Ecology
Shelly Willhoite, Capital Budget Advisor to the Governor, OFM

Department of Ecology
2025-2035 Capital Budget

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DEPARTMENT OF ECOLOGY
State of Washington

Capital

9/10/2024 $ in thousands

		2025-27 Biennium Budget Request 9/10/2024			
		SBCA	MTCA[1]	Other	Total
Prevent and Reduce Waste, Toxic Threats, and Pollution					
1	2025-27 Protect Investments in Cleanup Remedies		4,450		**4,450**
2	2025-27 Remedial Action Grant Program	64,028	44,203		**108,231**
3	2025-27 Reducing Diesel Greenhouse Gases(GHG) and Toxic Emissions	21,319			**21,319**
4	2025-27 PFAS Response	5,000			**5,000**
5	2025-27 Eastern Washington Clean Sites Initiative		16,250		**16,250**
6	2025-27 Affordable Housing Cleanup Grant Program		9,654		**9,654**
7	2025-27 Swift Creek Natural Asbestos Flood Control and Cleanup	11,540			**11,540**
8	2025-27 Product Replacement Program		9,000		**9,000**
9	2025-27 ASARCO Everett Smelter Plume Cleanup		7,239		**7,239**
10	2025-27 Reducing Toxic Wood Stove Emissions		4,164		**4,164**
11	2025-27 Clean Up Toxic Sites-Puget Sound Initiative		3,150		**3,150**
12	2025-27 Waste Tire Pile Cleanup and Prevention			1,000	**1,000**
13	2025-27 Cleanup Settlement Account Projects			650	**650**
Protect and Manage our State's Waters					
14	2025-27 Water Pollution Control Revolving Program			614,000	**614,000**
15	2025-27 Centennial Clean Water Program	80,000			**80,000**
16	2025-27 Floodplains by Design	84,000			**84,000**
17	2025-27 Stormwater Financial Assistance Program	13,219	66,781		**80,000**
18	2025-27 Columbia River Water Supply Development Program	56,469		1,415	**57,884**
19	2025-27 Yakima River Basin Water Supply	59,000			**59,000**
20	2025-27 Chehalis Basin Strategy	80,000			**80,000**
21	2025-27 Puget Sound Nutrient Reduction Grant Program	30,000			**30,000**
22	2025-27 Streamflow Restoration Program			40,000	**40,000**
23	2025-27 State Match – Water Pollution Control Revolving Program			41,000	**41,000**
24	2025-27 Sunnyside Valley Irrigation District Water Conservation	3,320			**3,320**
25	2025-27 Stormwater Community-Based Public-Private Partnerships	25,000			**25,000**
26	2025-27 Riparian Buffer Incentive Program	30,000			**30,000**
27	2025-27 Freshwater Algae Grant Program			800	**800**
28	2025-27 Freshwater Aquatic Invasive Plants Grant Program			1,700	**1,700**
29	2025-27 Coastal Wetlands Federal Funds			10,000	**10,000**
Facility Related					
30	Product Testing Laboratory Construction	16,969			**16,969**
31	Lacey Building Fire Alarm System Replacement	1,138			**1,138**
32	Eastern Regional Office HVAC Boiler and Condenser Replacement	800			**800**
Total Capital Budget		**581,802**	**164,891**	**710,565**	**1,457,258**

Notes:

[1] Model Toxics Control Capital (23N-1) and Stormwater (23R-1) Accounts.

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2025-27 Capital Budget Summary Ranking

September 9, 2024

Purpose: Provides final ranking of 2025-27 biennium capital budget requests.

Priority	Project Number	Project Title	New Appropriations	Reappropriations
1	40000625	2025-27 Water Pollution Control Revolving Program	$ 614,000,000	
2	40000627	2025-27 Protect Investments in Cleanup Remedies	$ 4,450,000	
3	40000642	2025-27 Centennial Clean Water Program	$ 80,000,000	
4	40000726	2025-27 Remedial Action Grant Program	$ 108,231,000	
5	40000660	2025-27 Floodplains by Design	$ 84,000,000	
6	40000643	2025-27 Stormwater Financial Assistance Program	$ 80,000,000	
7	40000681	2025-27 Columbia River Water Supply Development Program	$ 57,884,000	
8	40000705	2025-27 Yakima River Basin Water Supply	$ 59,000,000	
9	40000724	2025-27 Chehalis Basin Strategy	$ 80,000,000	
10	40000659	2025-27 Reducing Diesel Greenhouse Gases (GHG) and Toxic Emissions	$ 21,319,000	
11	40000720	2025-27 Puget Sound Nutrient Reduction Grant Program	$ 30,000,000	
12	40000719	2025-27 PFAS Response	$ 5,000,000	
13	40000628	2025-27 Eastern Washington Clean Sites Initiative	$ 16,250,000	
14	40000722	Product Testing Laboratory Construction	$ 16,969,000	
15	40000644	2025-27 Affordable Housing Cleanup Grant Program	$ 9,654,000	
16	40000658	2025-27 Swift Creek Natural Asbestos Flood Control and Cleanup	$ 11,540,000	
17	40000725	2025-27 Streamflow Restoration Program	$ 40,000,000	
18	40000626	2025-27 State Match - Water Pollution Control Revolving Program	$ 41,000,000	
19	40000651	2025-27 Product Replacement Program	$ 9,000,000	
20	40000641	2025-27 ASARCO Everett Smelter Plume Cleanup	$ 7,239,000	
21	40000652	2025-27 Reducing Toxic Wood Stove Emissions	$ 4,164,000	
22	40000674	2025-27 Sunnyside Valley Irrigation District Water Conservation	$ 3,320,000	
23	40000723	Lacey Building Fire Alarm System Replacement	$ 1,138,000	
24	40000717	Eastern Regional Office HVAC Boiler and Condenser Replacement	$ 800,000	
25	40000653	2025-27 Clean Up Toxic Sites - Puget Sound	$ 3,150,000	
26	40000721	2025-27 Stormwater Community-Based Public-Private Partnerships	$ 25,000,000	
27	40000673	2025-27 Riparian Buffer Incentive Program	$ 30,000,000	
28	40000624	2025-27 Freshwater Algae Grant Program	$ 800,000	
29	40000623	2025-27 Freshwater Aquatic Invasive Plants Grant Program	$ 1,700,000	
30	40000621	2025-27 Waste Tire Pile Cleanup and Prevention	$ 1,000,000	
31	40000629	2025-27 Cleanup Settlement Account Projects	$ 650,000	
32	40000622	2025-27 Coastal Wetlands Federal Funds	$ 10,000,000	

Priority	Project Number	Project Title	New Appropriations	Reappropriations
33	40000563	2023-25 Water Pollution Control Revolving Program		$ 593,515,000
34	40000473	2022 Water Pollution Control Revolving Program		$ 200,000,000
35	40000495	2023-25 Remedial Action Grant Program		$ 113,797,000
36	40000018	VW Settlement Funded Projects		$ 74,451,000
37	40000540	2023-25 Floodplains by Design		$ 66,856,000
38	40000583	2023-25 Columbia River Water Supply Development		$ 64,544,000
39	40000476	2023-25 Chehalis Basin Strategy		$ 64,372,000
40	40000539	2023-25 Stormwater Financial Assistance Program		$ 62,832,000
41	40000304	2021-23 Remedial Action Grant Program		$ 62,197,000
42	40000572	2023-25 Yakima River Basin Water Supply		$ 48,465,000
43	40000336	2021-23 Stormwater Financial Assistance Program		$ 47,898,000
44	40000387	2021-23 Chehalis Basin Strategy		$ 43,763,000
45	40000565	2023-25 Streamflow Restoration Program		$ 40,000,000
46	40000571	2023-25 Centennial Clean Water Program		$ 39,248,000
47	40000399	2021-23 Columbia River Water Supply Dev. Program		$ 36,034,000
48	40000397	2021-23 Streamflow Restoration Program		$ 31,468,000
49	40000211	2019-21 Remedial Action Grants		$ 27,686,000
50	40000359	2021-23 Centennial Clean Water Program		$ 22,264,000
51	40000389	2021-23 Floodplains by Design		$ 22,220,000
52	40000177	2019-21 Streamflow Restoration Program		$ 21,821,000
53	40000152	2019-21 Columbia River Water Supply		$ 21,303,000
54	40000606	Improving Air Quality in Overburdened Communities		$ 21,076,000
55	40000340	2021-23 Eastern Washington Clean Sites Initiative		$ 20,176,000
56	92000200	North Shore Levee		$ 18,500,000
57	40000567	2023-25 Sewer Overflow & Stormwater Reuse		$ 16,700,000
58	40000422	2021-23 Yakima River Basin Water Supply		$ 16,304,000
59	40000144	2019-21 Stormwater Financial Assistance Program		$ 15,909,000
60	40000474	2023-25 Reducing Diesel GHG & Toxic Emissions		$ 15,390,000
61	40000611	Landfill Methane Capture		$ 14,591,000
62	40000475	2023-25 Coastal Wetlands Federal Funds		$ 14,000,000
63	30000216	Remedial Action Grant Program		$ 12,687,000
64	91000373	2021-23 Water Banking		$ 12,503,000
65	40000117	2019-21 Eastern Washington Clean Sites Initiative		$ 11,739,000
66	40000288	2020 Remedial Action Grants		$ 11,624,000
67	40000303	2021-23 ASARCO Everett Smelter Plume Cleanup		$ 10,528,000
68	40000530	2023-25 PFAS Contam. Drinking Water		$ 9,319,000
69	40000480	2023-25 Affordable Housing Cleanup Grant Program		$ 9,259,000
70	40000360	2021-23 Protect Investments in Cleanup Remedies		$ 8,540,000
71	92000076	Storm Water Improvements		$ 8,301,000
72	30000458	Remedial Action Grants		$ 8,127,000
73	40000179	2019-21 Yakima River Basin Water Supply		$ 7,511,000
74	40000487	2023-25 Clean Up Toxic Sites – Puget Sound		$ 7,455,000
75	40000529	2023-25 ASARCO Everett Smelter Plume Cleanup		$ 7,354,000
76	40000130	2019-21 Clean Up Toxics Sites - Puget Sound		$ 6,576,000
77	40000388	2021-23 Coastal Wetlands Federal Funds		$ 6,280,000
78	40000486	2023-25 Product Replacement Program		$ 5,915,000
79	40000396	2021-23 Puget Sound Nutrient Reduction Grant Program		$ 5,821,000
80	30000670	ASARCO Cleanup		$ 5,502,000
81	40000605	2023-25 Zosel Dam Preservation		$ 5,275,000
82	40000114	2019-21 ASARCO Cleanup		$ 5,225,000
83	30000712	Columbia River Water Supply Development		$ 5,132,000
84	92000195	Urban Stormwater Partnership-I5 Ship Canal Bridge		$ 4,855,000
85	91000383	DDT Soil Remediation Pilot		$ 4,792,000
86	40000526	2023-25 Protect Investments in Cleanup Remedies		$ 4,450,000
87	40000116	2019-21 Centennial Clean Water Program		$ 3,954,000

Priority	Project Number	Project Title	New Appropriations	Reappropriations
88	40000391	2021-23 Sunnyside Valley Irrigation Distr. Water		$ 3,922,000
89	40000465	2022 Clean Up Toxic Sites-Puget Sound		$ 3,758,000
90	40000346	2021-23 Clean Up Toxic Sites-Puget Sound		$ 3,606,000
91	30000714	Watershed Plan Implementation and Flow Ach		$ 3,306,000
92	40000559	2023-25 Sunnyside Valley Irrigation District Water		$ 3,246,000
93	40000386	2021-23 ASARCO Tacoma Smelter Plume Cleanup		$ 3,000,000
94	40000569	2023-25 Stormwater Public Private Partnerships		$ 3,000,000
95	40000378	2021-23 Healthy Housing Remediation Program		$ 2,958,000
96	40000109	Reduce Air Pollution from Transit/Sch.		$ 2,813,000
97	40000479	2023-25 Reducing Toxic Wood Stove Emissions		$ 2,765,000
98	40000390	2021-23 Reducing Diesel GHG & Toxic Emissions		$ 2,723,000
99	92000205	2023-25 Drought Response		$ 2,720,000
100	40000194	2019-21 Protect Investments in Cleanup Remedies		$ 2,377,000
101	40000111	2019-21 Sunnyside Valley Irrigation Distr. Water Conserv.		$ 2,366,000
102	40000613	Cleanup Settlement Account Projects		$ 2,200,000
103	30000280	ASARCO - Tacoma Smelter Plume and Mines		$ 2,071,000
104	40000464	Pacific Wood Treating Site Cleanup		$ 2,071,000
105	40000436	2021-23 Product Replacement Program		$ 2,017,000
106	40000538	2023-25 Swift Creek Natural Asbestos		$ 2,000,000
107	40000618	Eastside Fire and Rescue Pilot PFAS Cleanup		$ 2,000,000
108	30000704	2015-17 Restored Eastern WA Clean Sites Initiative		$ 1,914,000
109	40000570	Elevator Restorations at Ecology Facilities		$ 1,735,000
110	30000742	2017-19 Eastern Washington Clean Sites		$ 1,708,000
111	30000673	Sunnyside Valley Irrigation District Water Conservation		$ 1,654,000
112	19972012	Low-Level Nuclear Waste Disposal Trench		$ 1,555,000
113	91000347	Skagit Water		$ 1,521,000
114	30000542	Cleanup Toxics Sites - Puget Sound		$ 1,430,000
115	40000477	2023-25 Freshwater Aquatic Invasive Plants		$ 1,261,000
116	30000589	Sunnyside Valley Irrigation District Water Conservation		$ 1,125,000
117	91000390	City of Ruston - Contamination Remediation		$ 1,109,000
118	92000142	Drought Response		$ 1,100,000
119	30000591	Watershed Plan Implementation and Flow Ach		$ 875,000
120	40000533	2023-25 Eastern Washington Clean Sites Initiative		$ 872,000
121	30000331	Watershed Plan Implementation and Flow Ach		$ 857,000
122	30000432	Eastern Washington Clean Sites Initiative		$ 778,000
123	30000763	2015-17 Restored Clean Up Toxic Sites - Puget Sound		$ 711,000
124	40000146	2015 Drought Authority		$ 657,000
125	40000470	2022 Comm-Based Public-Private Stormwater		$ 613,000
126	40000478	2023-25 Freshwater Algae Grant Program		$ 595,000
127	40000127	Padilla Bay Federal Capital Projects		$ 500,000
128	40000568	2023-25 Waste Tire Pile Cleanup and Prevention		$ 429,000
129	30000334	ASARCO Cleanup		$ 387,000
130	40000612	Padilla Bay Samish Conservation Area		$ 361,000
131	30000333	Dungeness Water Supply & Mitigation		$ 279,000
132	30000740	Water Irrigation Efficiencies Program		$ 204,000
133	30000538	ASARCO Cleanup		$ 175,000
134	40000371	2021-23 Reducing Toxic Wood Stove Emissions		$ 87,000
135	91000378	PSCAA Ultra-fine Particle Monitoring		$ 83,000
136	40000193	Zosel Dam Preservation		$ 78,000

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19972012 Low-Level Nuclear Waste Disposal Trench Closure									
125-1 Site Closure Account-State	6,902,000	5,258,000	89,000	1,555,000					
30000216 Remedial Action Grant Program									
174-1 Local Toxics Control-State	44,261,000	44,261,000							
23N-1 MTC Capital Account-State	18,008,000	3,980,000	1,341,000	12,687,000					
Project Total:	**62,269,000**	**48,241,000**	**1,341,000**	**12,687,000**					
30000280 ASARCO - Tacoma Smelter Plume and Mines									
15H-1 Cleanup Set Acct-State	19,927,000	17,856,000		2,071,000					
30000331 Watershed Plan Implementation and Flow Achievement									
057-1 State Bldg Constr-State	10,000,000	9,143,000		857,000					
30000333 Dungeness Water Supply & Mitigation									
057-1 State Bldg Constr-State	2,049,000	1,674,000	96,000	279,000					
30000334 ASARCO Cleanup									
057-1 State Bldg Constr-State	6,000,000	6,000,000							
15H-1 Cleanup Set Acct-State	30,260,000	29,817,000	56,000	387,000					
Project Total:	**36,260,000**	**35,817,000**	**56,000**	**387,000**					
30000432 Eastern Washington Clean Sites Initiative									
173-1 State Toxics Control-State	1,250,000	1,250,000							
23N-1 MTC Capital Account-State	6,523,000	2,119,000	3,626,000	778,000					
Project Total:	**7,773,000**	**3,369,000**	**3,626,000**	**778,000**					
30000458 Remedial Action Grants									

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30000458 Remedial Action Grants									
057-1 State Bldg Constr-State	18,781,000	9,944,000	710,000	8,127,000					
174-1 Local Toxics Control-State	19,820,000	19,820,000							
23N-1 MTC Capital Account-State	5,387,000	5,387,000							
Project Total:	**43,988,000**	**35,151,000**	**710,000**	**8,127,000**					
30000538 ASARCO Cleanup									
15H-1 Cleanup Set Acct-State	11,961,000	10,998,000	788,000	175,000					
30000542 Cleanup Toxics Sites - Puget Sound									
173-1 State Toxics Control-State	6,496,000	6,496,000							
23N-1 MTC Capital Account-State	6,975,000	5,096,000	449,000	1,430,000					
Project Total:	**13,471,000**	**11,592,000**	**449,000**	**1,430,000**					
30000589 Sunnyside Valley Irrigation District Water Conservation									
057-1 State Bldg Constr-State	3,055,000	1,930,000		1,125,000					
30000591 Watershed Plan Implementation and Flow Achievement									
057-1 State Bldg Constr-State	5,000,000	4,125,000		875,000					
30000670 ASARCO Cleanup									
15H-1 Cleanup Set Acct-State	28,760,000	19,221,000	4,037,000	5,502,000					
30000673 Sunnyside Valley Irrigation District Water Conservation									
057-1 State Bldg Constr-State	4,684,000	2,997,000	33,000	1,654,000					
30000704 2015-17 Restored Eastern Washington Clean Sites Initiative									

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30000704 2015-17 Restored Eastern Washington Clean Sites Initiative									
057-1 State Bldg Constr-State	2,436,000	388,000	134,000	1,914,000					
30000712 Columbia River Water Supply Development Program									
057-1 State Bldg Constr-State	19,550,000	18,261,000	405,000	884,000					
10P-1 Col River Water-State	12,250,000	8,047,000	644,000	3,559,000					
10P-B Col River Water-Debt Limit									
296-1 Col River Bas Wtr Su-State	2,000,000	1,107,000	204,000	689,000					
Project Total:	**33,800,000**	**27,415,000**	**1,253,000**	**5,132,000**					
30000714 Watershed Plan Implementation and Flow Achievement									
057-1 State Bldg Constr-State	5,000,000	1,659,000	35,000	3,306,000					
30000740 Water Irrigation Efficiencies Program									
057-1 State Bldg Constr-State	6,500,000	6,296,000		204,000					
30000742 2017-19 Eastern Washington Clean Sites Initiative									
23N-1 MTC Capital Account-State	1,740,000	13,000	19,000	1,708,000					
30000763 2015-17 Restored Clean Up Toxic Sites – Puget Sound									
057-1 State Bldg Constr-State	4,696,000	3,139,000	846,000	711,000					
40000018 VW Settlement Funded Projects									
001-7 General Fund-Private/Local	112,700,000	29,125,000	9,124,000	74,451,000					
40000109 Reduce Air Pollution from Transit/Sch. Buses/State-Owned Vehicles									
216-1 Air Pollution Ctl Ac-State	28,400,000	19,983,000	5,604,000	2,813,000					

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40000111 2019-21 Sunnyside Valley Irrigation District Water Conservation									
057-1 State Bldg Constr-State	4,234,000	1,868,000		2,366,000					
40000114 2019-21 ASARCO Cleanup									
15H-1 Cleanup Set Acct-State	6,800,000	800,000	775,000	5,225,000					
40000116 2019-21 Centennial Clean Water Program									
057-1 State Bldg Constr-State	30,000,000	20,892,000	5,154,000	3,954,000					
40000117 2019-21 Eastern Washington Clean Sites Initiative									
23N-1 MTC Capital Account-State	12,110,000	149,000	222,000	11,739,000					
40000127 Padilla Bay Federal Capital Projects									
001-2 General Fund-Federal	500,000			500,000					
40000130 2019-21 Clean Up Toxics Sites – Puget Sound									
23N-1 MTC Capital Account-State	12,767,000	1,562,000	4,629,000	6,576,000					
40000144 2019-21 Stormwater Financial Assistance Program									
23R-1 MTC Stormw Account-State	49,006,000	27,873,000	5,224,000	15,909,000					
40000146 2015 Drought Authority									
05W-1 St Drought Prep Acct-State	669,000		12,000	657,000					
40000152 2019-21 Columbia River Water Supply Development Program									
057-1 State Bldg Constr-State	27,100,000	12,012,000	5,316,000	9,772,000					
296-1 Col River Bas Wtr Su-State	2,400,000	145,000	714,000	1,541,000					
355-1 St. Bld Const Acct-State	10,500,000	140,000	370,000	9,990,000					

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40000152 2019-21 Columbia River Water Supply Development Program									
355-B St. Bld Const Acct-Debt Limit									
Project Total:	**40,000,000**	**12,297,000**	**6,400,000**	**21,303,000**					
40000177 2019-21 Streamflow Restoration Program									
366-1 Wtrshd Rst Enhnc Bnd-State	40,000,000	14,446,000	3,733,000	21,821,000					
40000179 2019-21 Yakima River Basin Water Supply									
057-1 State Bldg Constr-State	36,750,000	24,138,000	5,101,000	7,511,000					
40000193 Zosel Dam Preservation									
057-1 State Bldg Constr-State	217,000	137,000	2,000	78,000					
40000194 2019-21 Protect Investments in Cleanup Remedies									
23N-1 MTC Capital Account-State	8,203,000	4,187,000	1,639,000	2,377,000					
40000211 2019-21 Remedial Action Grants									
23N-1 MTC Capital Account-State	48,882,000	18,186,000	3,010,000	27,686,000					
40000288 2020 Remedial Action Grants									
23N-1 MTC Capital Account-State	32,656,000	13,938,000	7,094,000	11,624,000					
40000303 2021-23 ASARCO Everett Smelter Plume Cleanup									
23N-1 MTC Capital Account-State	10,814,000	272,000	14,000	10,528,000					
40000304 2021-23 Remedial Action Grant Program									
23N-1 MTC Capital Account-State	71,194,000	6,429,000	2,568,000	62,197,000					
40000336 2021-23 Stormwater Financial Assistance Program									
23R-1 MTC Stormw Account-State	75,000,000	12,292,000	14,810,000	47,898,000					

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40000340 2021-23 Eastern Washington Clean Sites Initiative									
23N-1 MTC Capital Account-State	20,820,000	578,000	66,000	20,176,000					
40000346 2021-23 Clean Up Toxic Sites – Puget Sound									
23N-1 MTC Capital Account-State	5,808,000	1,213,000	989,000	3,606,000					
40000359 2021-23 Centennial Clean Water Program									
23N-1 MTC Capital Account-State	40,000,000	8,146,000	9,590,000	22,264,000					
40000360 2021-23 Protect Investments in Cleanup Remedies									
23N-1 MTC Capital Account-State	11,093,000	1,214,000	1,339,000	8,540,000					
40000371 2021-23 Reducing Toxic Wood Stove Emissions									
23N-1 MTC Capital Account-State	3,000,000	2,527,000	386,000	87,000					
40000378 2021-23 Healthy Housing Remediation Program									
23N-1 MTC Capital Account-State	10,549,000	4,996,000	2,595,000	2,958,000					
40000386 2021-23 ASARCO Tacoma Smelter Plume Cleanup									
15H-1 Cleanup Set Acct-State	3,000,000			3,000,000					
40000387 2021-23 Chehalis Basin Strategy									
057-1 State Bldg Constr-State	78,418,000	20,243,000	14,412,000	43,763,000					
40000388 2021-23 Coastal Wetlands Federal Funds									
001-2 General Fund-Federal	14,000,000	3,286,000	4,434,000	6,280,000					
40000389 2021-23 Floodplains by Design									
057-1 State Bldg Constr-State	50,908,000	13,523,000	15,165,000	22,220,000					
40000390 2021-23 Reducing Diesel GHG & Toxic Emissions									

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40000390 2021-23 Reducing Diesel GHG & Toxic Emissions									
23N-1 MTC Capital Account-State	15,000,000	977,000	11,300,000	2,723,000					
40000391 2021-23 Sunnyside Valley Irrigation District Water Conservation									
057-1 State Bldg Constr-State	4,281,000		359,000	3,922,000					
40000396 2021-23 Puget Sound Nutrient Reduction Grant Program									
057-1 State Bldg Constr-State	9,000,000	795,000	2,384,000	5,821,000					
40000397 2021-23 Streamflow Restoration Program									
366-1 Wtrshd Rst Enhnc Bnd-State	40,000,000	961,000	7,571,000	31,468,000					
40000399 2021-23 Columbia River Water Supply Development Program									
057-1 State Bldg Constr-State	43,500,000	5,321,000	3,512,000	34,667,000					
296-1 Col River Bas Wtr Su-State	1,500,000	53,000	80,000	1,367,000					
Project Total:	**45,000,000**	**5,374,000**	**3,592,000**	**36,034,000**					
40000422 2021-23 Yakima River Basin Water Supply									
057-1 State Bldg Constr-State	42,000,000	24,280,000	1,416,000	16,304,000					
40000436 2021-23 Product Replacement Program									
23N-1 MTC Capital Account-State	6,500,000	3,094,000	1,389,000	2,017,000					
40000464 Pacific Wood Treating Site Cleanup – Cleanup Settlement Account									
15H-1 Cleanup Set Acct-State	2,326,000		255,000	2,071,000					
40000465 2022 Clean Up Toxic Sites – Puget Sound									
23N-1 MTC Capital Account-State	4,000,000	11,000	231,000	3,758,000					
40000470 2022 Community-Based Public-Private Stormwater Partnership									

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40000470 2022 Community-Based Public-Private Stormwater Partnership									
23R-1 MTC Stormw Account-State	1,000,000	69,000	318,000	613,000					
40000473 2022 Water Pollution Control Revolving Program									
727-1 Water Pollution Cont-State	200,000,000			200,000,000					
40000474 2023-25 Reducing Diesel Greenhouse Gases(GHG) and Toxic Emissions									
23N-1 MTC Capital Account-State	15,632,000		242,000	15,390,000					
40000475 2023-25 Coastal Wetlands Federal Funds									
001-2 General Fund-Federal	14,000,000			14,000,000					
40000476 2023-25 Chehalis Basin Strategy									
057-1 State Bldg Constr-State	70,000,000		5,628,000	64,372,000					
40000477 2023-25 Freshwater Aquatic Invasive Plants Grant Program									
222-1 Freshwtr Aqua Weeds-State	1,700,000		439,000	1,261,000					
40000478 2023-25 Freshwater Algae Grant Program									
10A-1 Aq Algae Cntrl Acct-State	710,000		115,000	595,000					
40000479 2023-25 Reducing Toxic Wood Stove Emissions									
23N-1 MTC Capital Account-State	4,144,000		1,379,000	2,765,000					
40000480 2023-25 Affordable Housing Cleanup Grant Program									
23N-1 MTC Capital Account-State	9,497,000		238,000	9,259,000					
40000486 2023-25 Product Replacement Program									
23N-1 MTC Capital Account-State	6,500,000		585,000	5,915,000					
40000487 2023-25 Clean Up Toxic Sites – Puget Sound									

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40000487 2023-25 Clean Up Toxic Sites – Puget Sound									
23N-1 MTC Capital Account-State	7,455,000			7,455,000					
40000495 2023-25 Remedial Action Grant Program									
23N-1 MTC Capital Account-State	115,111,000		1,314,000	113,797,000					
40000526 2023-25 Protect Investments in Cleanup Remedies									
23N-1 MTC Capital Account-State	4,450,000			4,450,000					
40000529 2023-25 ASARCO Everett Smelter Plume Cleanup									
23N-1 MTC Capital Account-State	7,679,000		325,000	7,354,000					
40000530 2023-25 PFAS Contaminated Drinking Water									
057-1 State Bldg Constr-State	1,500,000			1,500,000					
23N-1 MTC Capital Account-State	7,857,000		38,000	7,819,000					
Project Total:	**9,357,000**		**38,000**	**9,319,000**					
40000533 2023-25 Eastern Washington Clean Sites Initiative									
23N-1 MTC Capital Account-State	950,000		78,000	872,000					
40000538 2023-25 Swift Creek Natural Asbestos Flood Control and Cleanup									
057-1 State Bldg Constr-State	4,000,000		2,000,000	2,000,000					
40000539 2023-25 Stormwater Financial Assistance Program									
23R-1 MTC Stormw Account-State	68,000,000		5,168,000	62,832,000					
40000540 2023-25 Floodplains by Design									
057-1 State Bldg Constr-State	49,800,000		454,000	49,346,000					

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40000540 2023-25 Floodplains by Design									
26D-1 Natural Clim Solu Ac-State	17,592,000		82,000	17,510,000					
Project Total:	**67,392,000**		**536,000**	**66,856,000**					
40000559 2023-25 Sunnyside Valley Irrigation District Water Conservation									
057-1 State Bldg Constr-State	3,246,000			3,246,000					
40000563 2023-25 Water Pollution Control Revolving Program									
727-1 Water Pollution Cont-State	435,000,000		57,000	434,943,000					
727-2 Water Pollution Cont-Federal	200,000,000		41,428,000	158,572,000					
Project Total:	**635,000,000**		**41,485,000**	**593,515,000**					
40000565 2023-25 Streamflow Restoration Program									
366-1 Wtrshd Rst Enhnc Bnd-State	40,000,000			40,000,000					
40000567 2023-25 Sewer Overflow & Stormwater Reuse Municipal Grants Prog									
001-2 General Fund-Federal	16,700,000			16,700,000					
40000568 2023-25 Waste Tire Pile Cleanup and Prevention									
08R-1 Waste Tire Removal A-State	1,000,000		571,000	429,000					
40000569 2023-25 Stormwater Public Private Partnerships									
23R-1 MTC Stormw Account-State	3,000,000			3,000,000					
40000570 Elevator Restorations at Ecology Facilities									
057-1 State Bldg Constr-State	1,735,000			1,735,000					
40000571 2023-25 Centennial Clean Water Program									
23N-1 MTC Capital Account-State	40,000,000		752,000	39,248,000					

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19972012 Low-Level Nuclear Waste Disposal Trench Closure									
125-1 Site Closure Account-State	6,902,000	5,258,000	89,000	1,555,000					
30000216 Remedial Action Grant Program									
174-1 Local Toxics Control-State	44,261,000	44,261,000							
23N-1 MTC Capital Account-State	18,008,000	3,980,000	1,341,000	12,687,000					
Project Total:	**62,269,000**	**48,241,000**	**1,341,000**	**12,687,000**					
30000280 ASARCO - Tacoma Smelter Plume and Mines									
15H-1 Cleanup Set Acct-State	19,927,000	17,856,000		2,071,000					
30000331 Watershed Plan Implementation and Flow Achievement									
057-1 State Bldg Constr-State	10,000,000	9,143,000		857,000					
30000333 Dungeness Water Supply & Mitigation									
057-1 State Bldg Constr-State	2,049,000	1,674,000	96,000	279,000					
30000334 ASARCO Cleanup									
057-1 State Bldg Constr-State	6,000,000	6,000,000							
15H-1 Cleanup Set Acct-State	30,260,000	29,817,000	56,000	387,000					
Project Total:	**36,260,000**	**35,817,000**	**56,000**	**387,000**					
30000432 Eastern Washington Clean Sites Initiative									
173-1 State Toxics Control-State	1,250,000	1,250,000							
23N-1 MTC Capital Account-State	6,523,000	2,119,000	3,626,000	778,000					
Project Total:	**7,773,000**	**3,369,000**	**3,626,000**	**778,000**					
30000458 Remedial Action Grants									

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Project by Account-EA Type	Estimated Total	Prior Expenditures	Current Expenditures	Reapprop 2025-27	New Approp 2025-27	Estimated 2027-29	Estimated 2029-31	Estimated 2031-33	Estimated 2033-35
40000540 2023-25 Floodplains by Design									
26D-1 Natural Clim Solu Ac-State	17,592,000		82,000	17,510,000					
Project Total:	**67,392,000**		**536,000**	**66,856,000**					
40000559 2023-25 Sunnyside Valley Irrigation District Water Conservation									
057-1 State Bldg Constr-State	3,246,000			3,246,000					
40000563 2023-25 Water Pollution Control Revolving Program									
727-1 Water Pollution Cont-State	435,000,000		57,000	434,943,000					
727-2 Water Pollution Cont-Federal	200,000,000		41,428,000	158,572,000					
Project Total:	**635,000,000**		**41,485,000**	**593,515,000**					
40000565 2023-25 Streamflow Restoration Program									
366-1 Wtrshd Rst Enhnc Bnd-State	40,000,000			40,000,000					
40000567 2023-25 Sewer Overflow & Stormwater Reuse Municipal Grants Prog									
001-2 General Fund-Federal	16,700,000			16,700,000					
40000568 2023-25 Waste Tire Pile Cleanup and Prevention									
08R-1 Waste Tire Removal A-State	1,000,000		571,000	429,000					
40000569 2023-25 Stormwater Public Private Partnerships									
23R-1 MTC Stormw Account-State	3,000,000			3,000,000					
40000570 Elevator Restorations at Ecology Facilities									
057-1 State Bldg Constr-State	1,735,000			1,735,000					
40000571 2023-25 Centennial Clean Water Program									
23N-1 MTC Capital Account-State	40,000,000		752,000	39,248,000					

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40000572 2023-25 Yakima River Basin Water Supply									
057-1 State Bldg Constr-State	49,000,000		535,000	48,465,000					
40000583 2023-25 Columbia River Water Supply Development Program									
057-1 State Bldg Constr-State	64,700,000		1,656,000	63,044,000					
296-1 Col River Bas Wtr Su-State	1,500,000			1,500,000					
Project Total:	**66,200,000**		**1,656,000**	**64,544,000**					
40000605 2023-25 Zosel Dam Preservation									
057-1 State Bldg Constr-State	5,549,000		274,000	5,275,000					
40000606 Improving Air Quality in Overburdened Communities Initiative									
26E-1 AirQualHeaDispImpAc c-State	21,400,000		324,000	21,076,000					
40000611 Landfill Methane Capture									
26C-1 Climate Commit Accou-State	15,000,000		409,000	14,591,000					
40000612 Padilla Bay Samish Conservation Area									
001-2 General Fund-Federal	2,333,000		1,972,000	361,000					
40000613 Cleanup Settlement Account Projects									
15H-1 Cleanup Set Acct-State	2,200,000			2,200,000					
40000618 Eastside Fire and Rescue Pilot PFAS Cleanup									
23N-1 MTC Capital Account-State	2,000,000			2,000,000					
40000621 2025-27 Waste Tire Pile Cleanup and Prevention									
08R-1 Waste Tire Removal A-State	5,000,000				1,000,000	1,000,000	1,000,000	1,000,000	1,000,000

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Project by Account-EA Type	Estimated Total	Prior Expenditures	Current Expenditures	Reapprop 2025-27	New Approp 2025-27	Estimated 2027-29	Estimated 2029-31	Estimated 2031-33	Estimated 2033-35
40000622 2025-27 Coastal Wetlands Federal Funds									
001-2 General Fund-Federal	50,000,000				10,000,000	10,000,000	10,000,000	10,000,000	10,000,000
40000623 2025-27 Freshwater Aquatic Invasive Plants Grant Program									
222-1 Freshwtr Aqua Weeds-State	6,500,000				1,700,000	1,200,000	1,200,000	1,200,000	1,200,000
40000624 2025-27 Freshwater Algae Grant Program									
10A-1 Aq Algae Cntrl Acct-State	2,800,000				800,000	500,000	500,000	500,000	500,000
40000625 2025-27 Water Pollution Control Revolving Program									
727-1 Water Pollution Cont-State	1,600,000,000				400,000,000	300,000,000	300,000,000	300,000,000	300,000,000
727-2 Water Pollution Cont-Federal	614,000,000				214,000,000	100,000,000	100,000,000	100,000,000	100,000,000
Project Total:	**2,214,000,000**				**614,000,000**	**400,000,000**	**400,000,000**	**400,000,000**	**400,000,000**
40000626 2025-27 State Match – Water Pollution Control Revolving Program									
355-1 St. Bld Const Acct-State	81,000,000				41,000,000	10,000,000	10,000,000	10,000,000	10,000,000
40000627 2025-27 Protect Investments in Cleanup Remedies									
23N-1 MTC Capital Account-State	44,450,000				4,450,000	10,000,000	10,000,000	10,000,000	10,000,000
40000628 2025-27 Eastern Washington Clean Sites Initiative									
23N-1 MTC Capital Account-State	56,250,000				16,250,000	10,000,000	10,000,000	10,000,000	10,000,000
40000629 2025-27 Cleanup Settlement Account Projects									
15H-1 Cleanup Set Acct-State	650,000				650,000				
40000641 2025-27 ASARCO Everett Smelter Plume Cleanup									
23N-1 MTC Capital Account-State	22,178,000				7,239,000	14,239,000	400,000	150,000	150,000
40000642 2025-27 Centennial Clean Water Program									

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Project by Project Number

Project by Account-EA Type	Estimated Total	Prior Expenditures	Current Expenditures	Reapprop 2025-27	New Approp 2025-27	Estimated 2027-29	Estimated 2029-31	Estimated 2031-33	Estimated 2033-35
40000642 2025-27 Centennial Clean Water Program									
057-1 State Bldg Constr-State	400,000,000				80,000,000	80,000,000	80,000,000	80,000,000	80,000,000
40000643 2025-27 Stormwater Financial Assistance Program									
057-1 State Bldg Constr-State	13,219,000				13,219,000				
23R-1 MTC Stormw Account-State	386,781,000				66,781,000	80,000,000	80,000,000	80,000,000	80,000,000
Project Total:	**400,000,000**				**80,000,000**	**80,000,000**	**80,000,000**	**80,000,000**	**80,000,000**
40000644 2025-27 Affordable Housing Cleanup Grant Program									
23N-1 MTC Capital Account-State	49,654,000				9,654,000	10,000,000	10,000,000	10,000,000	10,000,000
40000651 2025-27 Product Replacement Program									
23N-1 MTC Capital Account-State	45,000,000				9,000,000	9,000,000	9,000,000	9,000,000	9,000,000
40000652 2025-27 Reducing Toxic Wood Stove Emissions									
23N-1 MTC Capital Account-State	20,820,000				4,164,000	4,164,000	4,164,000	4,164,000	4,164,000
40000653 2025-27 Clean Up Toxic Sites-Puget Sound Initiative									
23N-1 MTC Capital Account-State	43,150,000				3,150,000	10,000,000	10,000,000	10,000,000	10,000,000
40000658 2025-27 Swift Creek Natural Asbestos Flood Control and Cleanup									
057-1 State Bldg Constr-State	35,477,000				11,540,000	10,984,000	12,953,000		
40000659 2025-27 Reducing Diesel Greenhouse Gases(GHG) and Toxic Emissions									
057-1 State Bldg Constr-State	106,595,000				21,319,000	21,319,000	21,319,000	21,319,000	21,319,000
40000660 2025-27 Floodplains by Design									
057-1 State Bldg Constr-State	420,000,000				84,000,000	84,000,000	84,000,000	84,000,000	84,000,000
40000673 2025-27 Riparian Buffer Incentive Program									

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Project by Account-EA Type	Estimated Total	Prior Expenditures	Current Expenditures	Reapprop 2025-27	New Approp 2025-27	Estimated 2027-29	Estimated 2029-31	Estimated 2031-33	Estimated 2033-35
40000673 2025-27 Riparian Buffer Incentive Program									
057-1 State Bldg Constr-State	150,000,000				30,000,000	30,000,000	30,000,000	30,000,000	30,000,000
40000674 2025-27 Sunnyside Valley Irrigation District Water Conservation									
057-1 State Bldg Constr-State	23,600,000				3,320,000	5,070,000	5,070,000	5,070,000	5,070,000
40000681 2025-27 Columbia River Water Supply Development Program									
057-1 State Bldg Constr-State	296,245,000				56,469,000	59,944,000	59,944,000	59,944,000	59,944,000
296-1 Col River Bas Wtr Su-State	7,415,000				1,415,000	1,500,000	1,500,000	1,500,000	1,500,000
Project Total:	**303,660,000**				**57,884,000**	**61,444,000**	**61,444,000**	**61,444,000**	**61,444,000**
40000705 2025-27 Yakima River Basin Water Supply									
057-1 State Bldg Constr-State	299,000,000				59,000,000	60,000,000	60,000,000	60,000,000	60,000,000
40000717 Eastern Regional Office HVAC Boiler and Condenser Replacement									
057-1 State Bldg Constr-State	800,000				800,000				
40000719 2025-27 PFAS Response									
057-1 State Bldg Constr-State	45,000,000				5,000,000	10,000,000	10,000,000	10,000,000	10,000,000
40000720 2025-27 Puget Sound Nutrient Reduction Grant Program									
057-1 State Bldg Constr-State	150,000,000				30,000,000	30,000,000	30,000,000	30,000,000	30,000,000
40000721 2025-27 Stormwater Community-Based Public-Private Partnerships									
057-1 State Bldg Constr-State	125,000,000				25,000,000	25,000,000	25,000,000	25,000,000	25,000,000
40000722 Product Testing Laboratory Construction									
057-1 State Bldg Constr-State	16,969,000				16,969,000				
40000723 Lacey Building Fire Alarm System Replacement									

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Project by Account-EA Type	Estimated Total	Prior Expenditures	Current Expenditures	Reapprop 2025-27	New Approp 2025-27	Estimated 2027-29	Estimated 2029-31	Estimated 2031-33	Estimated 2033-35
40000723 Lacey Building Fire Alarm System Replacement									
057-1 State Bldg Constr-State	1,138,000				1,138,000				
40000724 2025-27 Chehalis Basin Strategy									
057-1 State Bldg Constr-State	400,000,000				80,000,000	80,000,000	80,000,000	80,000,000	80,000,000
40000725 2025-27 Streamflow Restoration Program									
366-1 Wtrshd Rst Enhnc Bnd-State	200,000,000				40,000,000	40,000,000	40,000,000	40,000,000	40,000,000
40000726 2025-27 Remedial Action Grant Program									
057-1 State Bldg Constr-State	64,028,000				64,028,000				
23N-1 MTC Capital Account-State	333,091,000				44,203,000	72,222,000	72,222,000	72,222,000	72,222,000
Project Total:	**397,119,000**				**108,231,000**	**72,222,000**	**72,222,000**	**72,222,000**	**72,222,000**
91000347 Skagit Water									
057-1 State Bldg Constr-State	2,499,000	978,000		1,521,000					
91000373 2021-23 Water Banking									
057-1 State Bldg Constr-State	5,000,000	480,000	812,000	3,708,000					
05W-1 St Drought Prep Acct-State	9,000,000		205,000	8,795,000					
Project Total:	**14,000,000**	**480,000**	**1,017,000**	**12,503,000**					
91000378 PSCAA Ultra-fine Particle Monitoring									
26E-1 AirQualHeaDispImpAcc-State	400,000		317,000	83,000					
91000383 DDT Soil Remediation Pilot									
23N-1 MTC Capital Account-State	5,000,000		208,000	4,792,000					

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Project by Project Number

Project by Account-EA Type	Estimated Total	Prior Expenditures	Current Expenditures	Reapprop 2025-27	New Approp 2025-27	Estimated 2027-29	Estimated 2029-31	Estimated 2031-33	Estimated 2033-35
91000390 City of Ruston Contamination Remediation									
23N-1 MTC Capital Account-State	1,109,000			1,109,000					
92000076 Storm Water Improvements									
057-1 State Bldg Constr-State	60,000,000	44,693,000	7,006,000	8,301,000					
19G-1 ELS Account-State	36,966,000	36,966,000							
Project Total:	**96,966,000**	**81,659,000**	**7,006,000**	**8,301,000**					
92000142 Drought Response									
05W-1 St Drought Prep Acct-State	6,723,000	5,534,000	89,000	1,100,000					
92000195 2022 Stormwater Projects									
23R-1 MTC Stormw Account-State	4,855,000			4,855,000					
92000200 North Shore Levee									
057-1 State Bldg Constr-State	18,500,000			18,500,000					
92000205 2023-25 Drought Response									
057-1 State Bldg Constr-State	3,000,000		280,000	2,720,000					
Total	**9,117,678,000**	**634,794,000**	**241,398,000**	**2,125,676,000**	**1,457,258,000**	**1,180,142,000**	**1,168,272,000**	**1,155,069,000**	**1,155,069,000**

Total Account Summary

Account-Expenditure Authority Type	Estimated Total	Prior Expenditures	Current Expenditures	Reapprop 2025-27	New Approp 2025-27	Estimated 2027-29	Estimated 2029-31	Estimated 2031-33	Estimated 2033-35
001-2 General Fund-Federal	97,533,000	3,286,000	6,406,000	37,841,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000

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Account-Expenditure Authority Type	Estimated Total	Prior Expenditures	Current Expenditures	Reapprop 2025-27	New Approp 2025-27	Estimated 2027-29	Estimated 2029-31	Estimated 2031-33	Estimated 2033-35
001-7 General Fund-Private/Local	112,700,000	29,125,000	9,124,000	74,451,000					
057-1 State Bldg Constr-State	3,299,759,000	234,916,000	73,725,000	444,047,000	581,802,000	496,317,000	498,286,000	485,333,000	485,333,000
05W-1 St Drought Prep Acct-State	16,392,000	5,534,000	306,000	10,552,000					
08R-1 Waste Tire Removal A-State	6,000,000		571,000	429,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
10A-1 Aq Algae Cntrl Acct-State	3,510,000		115,000	595,000	800,000	500,000	500,000	500,000	500,000
10P-1 Col River Water-State	12,250,000	8,047,000	644,000	3,559,000					
10P-B Col River Water-Debt Limit									
125-1 Site Closure Account-State	6,902,000	5,258,000	89,000	1,555,000					
15H-1 Cleanup Set Acct-State	105,884,000	78,692,000	5,911,000	20,631,000	650,000				
173-1 State Toxics Control-State	7,746,000	7,746,000							
174-1 Local Toxics Control-State	64,081,000	64,081,000							
19G-1 ELS Account-State	36,966,000	36,966,000							
216-1 Air Pollution Ctl Ac-State	28,400,000	19,983,000	5,604,000	2,813,000					
222-1 Freshwtr Aqua Weeds-State	8,200,000		439,000	1,261,000	1,700,000	1,200,000	1,200,000	1,200,000	1,200,000
23N-1 MTC Capital Account-State	1,194,006,000	84,074,000	57,655,000	437,684,000	98,110,000	139,625,000	125,786,000	125,536,000	125,536,000
23R-1 MTC Stormw Account-State	587,642,000	40,234,000	25,520,000	135,107,000	66,781,000	80,000,000	80,000,000	80,000,000	80,000,000
26C-1 Climate Commit Accou-State	15,000,000		409,000	14,591,000					
26D-1 Natural Clim Solu Ac-State	17,592,000		82,000	17,510,000					
26E-1 AirQualHeaDispImpAcc-State	21,800,000		641,000	21,159,000					
296-1 Col River Bas Wtr Su-State	14,815,000	1,305,000	998,000	5,097,000	1,415,000	1,500,000	1,500,000	1,500,000	1,500,000
355-1 St. Bld Const Acct-State	91,500,000	140,000	370,000	9,990,000	41,000,000	10,000,000	10,000,000	10,000,000	10,000,000
355-B St. Bld Const Acct-Debt Limit									

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Total Account Summary

Account-Expenditure Authority Type	Estimated Total	Prior Expenditures	Current Expenditures	Reapprop 2025-27	New Approp 2025-27	Estimated 2027-29	Estimated 2029-31	Estimated 2031-33	Estimated 2033-35
366-1 Wtrshd Rst Enhnc Bnd-State	320,000,000	15,407,000	11,304,000	93,289,000	40,000,000	40,000,000	40,000,000	40,000,000	40,000,000
727-1 Water Pollution Cont-State	2,235,000,000		57,000	634,943,000	400,000,000	300,000,000	300,000,000	300,000,000	300,000,000
727-2 Water Pollution Cont-Federal	814,000,000		41,428,000	158,572,000	214,000,000	100,000,000	100,000,000	100,000,000	100,000,000
Total	**9,117,678,000**	**634,794,000**	**241,398,000**	**2,125,676,000**	**1,457,258,000**	**1,180,142,000**	**1,168,272,000**	**1,155,069,000**	**1,155,069,000**

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FTEs by Job Classification

	Authorized Budget 2023-25 Biennium		2025-27 Biennium	
Job Class	**FY 2024**	**FY 2025**	**FY 2026**	**FY 2027**
Administrative Assistant 3			0.5	0.5
Administrative Assistant 4			1.0	1.0
Budget Analyst 4			0.1	0.1
Comm Outreach & Enviro Ed Spec 3			2.0	2.0
Communications Consultant 5			0.3	0.3
Economic Analyst 3			0.2	0.2
EMS 4			1.0	1.0
Environmental Engineer 2			4.0	4.0
Environmental Engineer 3			2.0	2.0
Environmental Engineer 5			0.9	0.9
Environmental Planner 3			9.7	9.7
Environmental Planner 4			24.1	24.1
Environmental Planner 5			6.8	6.8
Environmental Specialist 3			6.5	6.5
Environmental Specialist 4			29.2	29.2
Environmental Specialist 5			3.1	3.1
Fiscal Analyst 2			10.0	10.0
Hydrogeologist 1			1.2	1.2
Hydrogeologist 2			0.8	0.8
Hydrogeologist 3			0.1	0.1
Hydrogeologist 4			0.5	0.5
IT App Dev - Journey			5.0	5.0
IT App Development-Journey			1.2	1.2
Management Analyst 3			1.0	1.0
Management Analyst 5			1.0	1.0
Natural Resource Scientist 3			1.0	1.0
WMS 1			0.6	0.6
WMS 2			1.6	1.6
Total FTEs			**115.4**	**115.4**

Account

	Authorized Budget 2023-25 Biennium		2025-27 Biennium	
Account - Expenditure Authority Type	**FY 2024**	**FY 2025**	**FY 2026**	**FY 2027**
001-2 General Fund-Federal			106,000	106,000
001-7 General Fund-Private/Local			754,000	754,000
057-1 State Bldg Constr-State			9,455,000	9,455,000
08R-1 Waste Tire Removal A-State			146,000	146,000
10A-1 Aq Algae Cntrl Acct-State			64,000	64,000
15H-1 Cleanup Set Acct-State			913,000	913,000
222-1 Freshwtr Aqua Weeds-State			278,000	278,000
23N-1 MTC Capital Account-State			1,826,000	1,826,000

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	Authorized Budget 2023-25 Biennium		2025-27 Biennium	
Account - Expenditure Authority Type	**FY 2024**	**FY 2025**	**FY 2026**	**FY 2027**
23R-1 MTC Stormw Account-State			3,254,000	3,254,000
26E-1 AirQualHeaDispImpAcc-State			713,000	713,000
Total Funding			**17,509,000**	**17,509,000**

Narrative

Narrative

40000659 2025-27 Reducing Diesel Greenhouse Gases and Toxic Emissions

This request will require a total of 4.6 FTEs to implement the clean diesel program, including evaluating client needs and solutions, soliciting applications, contracting with grant recipients, contracting with technology and service vendors, providing technical assistance, processing vendor/recipient payments, and closing grant awards. This request will fund an increase of 2.3 FTEs above the 2023-25 biennium funded level. The additional staffing will allow the clean diesel program to continue to play a critical role in educating and supporting school districts and other fleet operators through the process of transitioning to zero-emission vehicles. Please note, these FTEs support both this new appropriation and other related reappropriation projects under this capital program.

40000652 2025-27 Reducing Toxic Wood Stove Emissions

This request requires a total of 0.48 FTE. This position implements the grant program by evaluating client needs and solutions, soliciting applications, and providing technical assistance. This is a slight increase over the staffing level for the 2023-25 biennium to provide more oversight and timely agreements and ensure new EJ and overburdened communities requirements are accounted for. Please note, this FTE supports both this new appropriation and other related reappropriation projects under this capital program.

40000018 VW Settlement Funded Projects (Reappropriation)

This project requires a total of 5.18 FTEs. These staff develop associated policy, communicate, and implement the investment of funds including ongoing coordination with the multi-agency steering committee, the Governor's policy staff, three multi-agency workgroups, and legislative staff when required. They are tasked with ensuring all projects meet the federal settlement project, reporting, and Trustee requirements. In addition, these staff administer the program, including soliciting applications, drafting grant guidelines, contracting with grant recipients, contracting with technology and service vendors, providing technical assistance, processing vendor/recipient payments, and closing grant awards. Staff also provide program oversight including, developing award category guidelines, developing materials, outreach, and training to prospective applicants, trustee coordination, award tracking, and overall financial management of the program. Under the terms of the VW Settlement, Beneficiaries may cover administrative costs associated with implementing eligible mitigation plans, up to 15% of the total mitigation plan cost.

40000606 Improving Air Quality in Overburdened Communities Initiative (Reappropriation)

This project requires a total of 4.89 FTEs to develop and implement non-regulatory emission reduction mechanisms. A lead Environmental Planner will provide oversight, manage implementation of the program, and supervise staff. Additional staff will build community partnerships, identify funding opportunities, and manage grants and contracts.

40000722 Product Testing Laboratory Construction

This project requires a total of 0.58 FTE for the 2025-27 biennium for Information Technology (IT) support to install, connect, and troubleshoot computer hardware and software. This level of FTE is consistent with previous Ecology projects. It is anticipated that a future (2027-29 biennium) operating budget request will be submitted for additional FTEs needed to support our product testing work once the new lab is constructed.

40000651 2025-27 Product Replacement Program

This request requires a total of 5.75 FTEs. This funding continues support of 3.0 FTEs from the previous biennium; one position at

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90/10 - PRP/PPA, second position at 70/30 - PRP/PPA, and the third position at 50/50 - PRP/PPA. This request will also add 2.0 FTEs; one position at 90/10 - PRP/PPA and the other 50/50 - PRP/PPA to support additional projects, marketing and outreach, and strategic planning for implementing this work. The 0.8 FTE funds agency administrative support. These staff will administer the program by planning and prioritizing individual projects carried out by the PRP and leading the individual voucher and incentive programs. Each project requires a lead to develop the incentive program, market it to businesses, draft eligibility guidelines, ensure timely reimbursement to participating businesses, and ensure equity in the distribution of funds so the PRP prioritizes assistance to overburdened communities and vulnerable populations. Please note, these FTEs support both this new appropriation and other related reappropriation projects under this capital program.

40000719 2025-27 PFAS Response

This project requires a total of 0.58 FTEs to assist in developing project resources, such as vouchers, and distributing Ecology's deep cleaning guidance. Staff will also help identify and communicate with qualifying fire departments and track deep-cleaning project funds.

40000660 2025-27 Floodplains by Design

This project requires 8.5 FTEs to provide program and project oversight; conduct performance and financial management; conduct outreach to, coordinate with, and offer consultation to Tribes; conduct outreach to local jurisdictions and other integrated floodplain management project sponsors; and coordinate with our partners at Bonneville Environmental Foundation and Puget Sound Partnership. These staff advise local project sponsors on program expectations and project development. They manage active projects, including performing site visits; coordinating with other grant programs within Ecology and at other state natural resource agencies, including through the Agency Acquisition Work Group and the inter-agency Align Partnership; and assist with policy and budget development. Please note these FTEs support both this new appropriation and other related reappropriation projects under this capital program.

This project requires a total of 0.69 FTE. This is a similar level of FTEs currently supporting this capital project during the 2023-25 biennium. An Environmental Planner 4 (0.60 FTE) will manage the grant program and serve as a liaison between federal agencies and the applicants. This position will administer federal National Coastal Wetland Conservation grants, manage project contracts to disburse federal funds, manage the grant application process, and work with applicants and USFWS on grant applications. The federal grants typically provide Ecology $20,000 to manage and administer each grant award. Please note, these FTEs support both this new appropriation and other reappropriation projects under this capital program.

40000622 2025-27 Coastal Wetlands Federal Funds

This project requires a total of 0.69 FTE. This is a similar level of FTEs currently supporting this capital project during the 2023-25 biennium. An Environmental Planner 4 (0.60 FTE) will manage the grant program and serve as a liaison between federal agencies and the applicants. This position will administer federal National Coastal Wetland Conservation grants, manage project contracts to disburse federal funds, manage the grant application process, and work with applicants and USFWS on grant applications. The federal grants typically provide Ecology $20,000 to manage and administer each grant award. Please note, these FTEs support both this new appropriation and other reappropriation projects under this capital program.

40000724 2025-27 Chehalis Basin Strategy

To support the Chehalis Basin Strategy, Ecology is requesting a total base minimum of 16.6 FTEs in the 2025-27 biennium. A portion of these FTEs (11.5 direct FTEs) will staff our Office of Chehalis Basin and provide financial accountability and project

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management, technical assistance, and stakeholder coordination on individual projects. Ecology staff will continue supporting the Chehalis Basin Board by organizing and coordinating consultants and planning, gathering, and preparing information and presentations for board meetings.

Ecology Office of Chehalis Basin staff also attend meetings held by the Aquatic Species Restoration Plan Steering Committee, Regional Implementation Team, and Technical Advisory Group; Chehalis River Basin Flood Authority; Chehalis Basin Partnership; and the Chehalis Basin Habitat Workgroup. Office staff serve as the primary point of contact for board members, local and Tribal governments, state and federal agencies, and other entities. Ecology also provides communications and outreach support, budget and management support, and administrative support to the board.

A portion of this capital request will be used to support:
- 1.0 FTE OCB Director
- 1.0 FTE Office Manager
- 1.0 FTE Principal Planner
- 1.0 FTE Program Operations Coordinator
- 1.0 FTE Community Flood Assistance & Resiliency (CFAR) Technical Assistance
- 1.0 FTE Habitat and Restoration Project Manager
- 1.0 FTE Financial Manager
- 2.0 FTE Project Planner
- 2.0 FTE Grants and Contracts Specialists
- 0.25 FTE Budget Manager
- 0.25 FTE Communications Manager

The remaining direct FTEs will provide technical support for flood damage reduction and integrated flood and aquatic species projects in the basin. Work will include evaluating grant proposals and serving on technical working groups to develop elements of the Chehalis Basin Strategy. Staff will also conduct stream monitoring.

Pending the Chehalis Basin Board's review and approval of the final 2025-27 project list, Ecology may require additional FTEs to oversee contracts and grants to ensure compliance with state law and Ecology policies. We may also need staff to provide increased technical assistance to local governments and landowners, model and monitor water quality, conduct economic evaluations, review geotechnical engineering reports, and provided permitting support associated with implementing local flood-damage reduction and habitat restoration projects.

Please note, under this capital program these FTEs support projects using new appropriations and reappropriated funds.

40000621 2025-27 Waste Tire Pile Cleanup and Prevention

Ecology is requesting 1.15 FTEs for this work. This is the same level of FTEs currently supporting this capital program in the 2023-25 biennium. These staff manage and coordinate tire removal efforts and provide technical support for prevention and enforcement.

30000280 ASARCO Cleanup - Tacoma Smelter Plume (Reappropriation)

This request requires 6.33 FTEs to continue supporting the ASARCO remediation activities in Tacoma as part of Ecology's ongoing cleanup. This FTE level is reduced from previous biennia in order to right size the staffing levels to project management. The cleanup plans for the Tacoma Smelter Plume site, particularly residential yard cleanup, is labor intensive. It requires outreach to individual property owners and the community at-large so Ecology can secure property access, plan and complete sampling, stage cleanup property groups, and continue education and outreach campaigns once remediation starts. Please note these FTEs

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support multiple appropriations.

40000641 2025-27 ASARCO Everett Smelter Plume Cleanup

This request requires 4.03 FTEs to continue supporting the ASARCO remediation activities in Everett as part of Ecology's ten-year cleanup plan. This FTE level is consistent with the 2023-25 biennium. The cleanup plans for the Everett Smelter Plume site, particularly residential yard cleanup, is labor intensive. It requires outreach to individual property owners and the community at-large so Ecology can secure property access, plan and complete sampling, stage cleanup property groups, and continue education and outreach campaigns once remediation starts. Please note, these FTEs support both this new appropriation and other related reappropriation projects under this capital program.

40000726 2025-27 Remedial Action Grant Program

This request requires a total of 5.18 FTEs dedicated to grant management, policy analysis and development, cash management, and capital budget coordination for Ecology. This staffing level is consistent with our 2023-25 capital project request. This core work assures prudent oversight and careful financial management of state funds. The grant managers also provide technical expertise to program development and policy work and to agencywide projects. This includes their input and review of policy documents and helping manage Ecology's grant and loan system. Please note that all FTEs support this new appropriation and other related reappropriation projects under this capital program.

40000643 2025-27 Stormwater Financial Assistance Program

Ecology requires a total of 23 FTEs to support ongoing management of 160 active grants from prior biennia SFAP funding and an estimated 80-90 new SFAP grants in 2025-27.

SFAP FTEs that manage, oversee, and administer the expanded SFAP program and projects include:
- Stormwater experts who manage the SFAP to ensure the highest priority projects will be funded.
- Engineers who review project proposals and design documents to ensure appropriate technology application and outcomes.
- Project managers who provide direct project oversight, technical assistance, and outcomes management.
- Financial managers who oversee agreement development, funding conditions, and quality assurance and control of reimbursements that assure fiscal accountability. These staff also perform project tracking, reporting, and technology support.
Please note, these FTEs support both this new appropriation and other related reappropriation projects under this capital program.

40000623 2025-27 Freshwater Aquatic Invasive Plants Grant Program

This request requires a total of 1.96 FTEs as follows: 0.6 FTE Environmental Specialist 4 and 0.1 FTE Environmental Specialist 5 are required to oversee and manage the grant process and provide technical assistance.1.0 FTE Natural Resource Scientist 3 is required to conduct inventories of aquatic plants species statewide and perform follow-up inventories of Ecology grant-funded aquatic weed control projects to determine effectiveness. This level of FTE is consistent with the 2023-25 biennium. Please note, these FTEs support both this new appropriation and other related reappropriation projects under this capital program.

40000624 2025-27 Freshwater Algae Grant Program

This request requires a total of 0.46 FTE to oversee and manage the grant process and provide technical assistance. This level of FTE is consistent with the 2023-25 biennium. Please note these FTEs support both this new appropriation and other related

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reappropriation projects under this capital program.

40000721 2025-27 Stormwater Community-Based Public-Private Partnerships

This project requires a total of 1.15 FTEs. Staff will continue the work started under Phase 2 and through Phase 3. Work includes administering the program, developing and soliciting applications, drafting grant guidelines, contracting with grant recipients, contracting with vendors and consultants, providing technical assistance, processing vendor/recipient payments, agreement maintenance and oversight, and closing grant awards. Please note, these FTEs support both this new appropriation and other related reappropriation projects under this capital program.

40000720 2025-27 Puget Sound Nutrient Reduction Grant Program

This request requires a total of 2.30 FTEs. These staff will administer the program, including developing and soliciting applications, updating program guidelines, negotiating funding agreements with recipients, providing technical assistance, processing payments, maintaining and overseeing agreements, conducting site visits, and closing grant awards. Staff will manage and oversee up to 58 pass-through grants to 43 permitted municipalities that discharge to Puget Sound under the nutrient general permit. This level of FTEs is increased from 1.2 in the 2021-23 biennium to reflect the ongoing and significant need for technical assistance for permitted communities—specifically small communities.

40000673 2025-27 Riparian Buffer Incentive Program

This project requires a total of 2.3 FTEs. Two environmental specialists will be needed to add staffing capacity to implement and manage ecosystem service and other riparian buffer incentives that will be developed and integrated into the funding program to expand riparian restoration efforts statewide.

40000681 2025-27 Columbia River Water Supply Development Program

Ecology's OCR manages both Columbia River and Yakima River Integrated Plan projects. OCR anticipates implementing large-scale projects (construction of water supply storage, fish and aquatic habitat, operational upgrades, delivery modifications and/or other water supply projects and/or acquisitions), etc.) and numerous small-scale habitat projects in 2025-27. In order to effectively manage the scale and complexity of these projects, OCR anticipates bringing on more project management and fiscal management staff to keep pace with Columbia River Basin implementation. These projects will require 9.4 FTEs to perform all activities related to coordinating development, overseeing feasibility, and bid solicitations, EIS review and implementation, construction management, receipt and confirmation of project deliverables and implementation of multiple large-scale water supply projects within the Columbia Basin. This is an increase of 2.3 FTEs above the 2023-25 biennium funding level. The increase is necessary due to overall project complexity and accelerated implementation schedule. Funding for capital FTE provides grant management and oversight services for all grants issued under the OCR Columbia River Water Supply Development Program. Services include financial management, project management, agreement customer service, EAGL system management and updates, issuance of grant guidance, evaluation of applications, negotiation of initial grant agreements, and future amendments for all grants awarded under the OCR. Please note that these FTEs support both this new appropriation and other related reappropriation projects under this capital program.

40000705 2025-27 Yakima River Basin Water Supply

Ecology's OCR manages both Columbia River and Yakima River Integrated Plan projects. OCR anticipates implementing

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large-scale projects (construction of water supply storage, fish and aquatic habitat, operational upgrades, delivery modifications and/or other water supply projects and/or acquisitions), etc.) and numerous small-scale habitat projects in 2025-27. In order to effectively manage the scale and complexity of these projects, OCR anticipates bringing on more project management and fiscal management staff to keep pace with YBIP implementation. These projects will require 9.8 FTEs to perform all activities related to coordinating development, overseeing feasibility, and bid solicitations, EIS review and implementation, construction management, receipt and confirmation of project deliverables and implementation of multiple large-scale water supply projects within the Yakima Basin. This is an increase of 2.3 FTEs above the 2023-25 biennium funding level. The increase is necessary due to overall project complexity and accelerated implementation schedule. Funding for capital FTE provides grant management and oversight services for all grants issued under the OCR YBIP Program. Services include financial management, project management, agreement customer service, EAGL system management and updates, issuance of grant guidance, evaluation of applications, negotiation of initial grant agreements, and future amendments for all grants awarded under the OCR YBIP. Please note these FTEs support both this new appropriation and other related reappropriation projects under this capital program.

40000674 2025-27 Sunnyside Valley Irrigation District Water Conservation

This request requires a total of 0.23 FTE to continue implementing SVID and YRBWEP projects, contract management, oversight, and technical assistance. This is the same level of FTEs currently supporting this capital project in the 2021-23 and 2023 – 25 biennia. Please note, these FTEs support both this new appropriation and other related reappropriation projects under this capital program.

40000605 2023-25 Zosel Dam Preservation (Reappropriation)

This project requires a total of 0.23 FTE to provide project oversight and management, technical assistance, and stakeholder coordination to individual components of preservation projects, coordination with the IJC, and cooperation and communication with Canadian water managers.

Capital FTEs by Project for 2025-27 Biennium Budget

September 5, 2024

Purpose: Identify Ecology's requested FTEs for the 2025-27 Biennium Budget. Total FTEs represent a biennial average of FY 2026 and FY 2027.

Project Title	Project Number	Program	2023-25 FTEs	2025-27 FTEs	Account	Explanation
2025-27 Reducing Diesel Greenhouse Gases and Toxic Emissions	40000659	AQP	2.30	4.60	057-1	This request will require a total of 4.6 FTEs to implement the clean diesel program, including evaluating client needs and solutions, soliciting applications, contracting with grant recipients, contracting with technology and service vendors, providing technical assistance, processing vendor/recipient payments, and closing grant awards. This request will fund an increase of 2.3 FTEs above the 2023-25 biennium funded level. The additional staffing will allow the clean diesel program to continue to play a critical role in educating and supporting school districts and other fleet operators through the process of transitioning to zero-emission vehicles. Please note, these FTEs support both this new appropriation and other related reappropriation projects under this capital program.
2025-27 Reducing Toxic Wood Stove Emissions	40000652	AQP	0.45	0.48	23N-1	This request requires a total of 0.48 FTE. This position implements the grant program by evaluating client needs and solutions, soliciting applications, and providing technical assistance. This is a slight increase over the staffing level for the 2023-25 biennium to provide more oversight and timely agreements and ensure new EJ and overburdened communities requirements are accounted for. Please note, this FTE supports both this new appropriation and other related reappropriation projects under this capital program.
VW Settlement Funded Projects	40000018 (Reapprop)	AQP	6.84	5.18	001-7	This project requires a total of 5.18 FTEs. These staff develop associated policy, communicate, and implement the investment of funds including ongoing coordination with the multi-agency steering committee, the Governor's policy staff, three multi-agency workgroups, and legislative staff when required. They are tasked with ensuring all projects meet the federal settlement project, reporting, and Trustee requirements. In addition, these staff administer the program, including soliciting applications, drafting grant guidelines, contracting with grant recipients, contracting with technology and service vendors, providing technical assistance, processing vendor/recipient payments, and closing grant awards. Staff also provide program oversight including, developing award category guidelines, developing materials, outreach, and training to prospective applicants, trustee coordination, award tracking, and overall financial management of the program. Under the terms of the VW Settlement, Beneficiaries may cover administrative costs associated with implementing eligible mitigation plans, up to 15% of the total mitigation plan cost.
Improving Air Quality in Overburdened Communities Initiative	40000606 (Reapprop)	AQP	4.89	4.89	26E-1	This project requires a total of 4.89 FTEs to develop and implement non-regulatory emission reduction mechanisms. A lead Environmental Planner will provide oversight, manage implementation of the program, and supervise staff. Additional staff will build community partnerships, identify funding opportunities, and manage grants and contracts.
Product Testing Laboratory Construction	40000722	Admin	0.29	0.58	057-1	This project requires a total of 0.58 FTE for the 2025-27 biennium for Information Technology (IT) support to install, connect, and troubleshoot computer hardware and software. This level of FTE is consistent with previous Ecology projects. It is anticipated that a future (2027-29 biennium) operating budget request will be submitted for additional FTEs needed to support our product testing work once the new lab is constructed.
2025-27 Product Replacement Program	40000651	HWTR	3.45	5.75	23N-1	This request requires a total of 5.75 FTEs. This funding continues support of 3.0 FTEs from the previous biennium; one position at 90/10 - PRP/PPA, second position at 70/30 - PRP/PPA, and the third position at 50/50 - PRP/PPA. This request will also add 2.0 FTEs; one position at 90/10 - PRP/PPA and the other 50/50 - PRP/PPA to support additional projects, marketing and outreach, and strategic planning for implementing this work. The 0.8 FTE funds agency administrative support. These staff will administer the program by planning and prioritizing individual projects carried out by the PRP and leading the individual voucher and incentive programs. Each project requires a lead to develop the incentive program, market it to businesses, draft eligibility guidelines, ensure timely reimbursement to participating businesses, and ensure equity in the distribution of funds so the PRP prioritizes assistance to overburdened communities and vulnerable populations. Please note, these FTEs support both this new appropriation and other related reappropriation projects under this capital program.

Project Title	Project Number	Program	2023-25 FTEs	2025-27 FTEs	Account	Explanation
2025-27 PFAS Response	40000719	HWTR	NA	0.58	057-1	This project requires a total of 0.58 FTEs to assist in developing project resources, such as vouchers, and distributing Ecology's deep cleaning guidance. Staff will also help identify and communicate with qualifying fire departments and track deep-cleaning project funds.
2025-27 Floodplains by Design	40000660	SEA	8.00	8.53	057-1	This project requires 8.5 FTEs to provide program and project oversight; conduct performance and financial management; conduct outreach to, coordinate with, and offer consultation to Tribes; conduct outreach to local jurisdictions and other integrated floodplain management project sponsors; and coordinate with our partners at Bonneville Environmental Foundation and Puget Sound Partnership. These staff advise local project sponsors on program expectations and project development. They manage active projects, including performing site visits; coordinating with other grant programs within Ecology and at other state natural resource agencies, including through the Agency Acquisition Work Group and the inter-agency Align Partnership; and assist with policy and budget development. Please note these FTEs support both this new appropriation and other related reappropriation projects under this capital program.
2025-27 Coastal Wetlands Federal Funds	40000622	SEA	0.52	0.69	001-2	This project requires a total of 0.69 FTE. This is a similar level of FTEs currently supporting this capital project during the 2023-25 biennium. An Environmental Planner 4 (0.60 FTE) will manage the grant program and serve as a liaison between federal agencies and the applicants. This position will administer federal National Coastal Wetland Conservation grants, manage project contracts to disburse federal funds, manage the grant application process, and work with applicants and USFWS on grant applications. The federal grants typically provide Ecology $20,000 to manage and administer each grant award. Please note, these FTEs support both this new appropriation and other reappropriation projects under this capital program.
2025-27 Chehalis Basin Strategy	40000724	SEA	16.33	16.61	057-1	To support the Chehalis Basin Strategy, Ecology is requesting a total base minimum of 16.6 FTEs in the 2025-27 biennium. A portion of these FTEs (11.5 direct FTEs) will staff our Office of Chehalis Basin and provide financial accountability and project management, technical assistance, and stakeholder coordination on individual projects. Ecology staff will continue supporting the Chehalis Basin Board by organizing and coordinating consultants and planning, gathering, and preparing information and presentations for board meetings. Ecology Office of Chehalis Basin staff also attend meetings held by the Aquatic Species Restoration Plan Steering Committee, Regional Implementation Team, and Technical Advisory Group; Chehalis River Basin Flood Authority; Chehalis Basin Partnership; and the Chehalis Basin Habitat Workgroup. Office staff serve as the primary point of contact for board members, local and Tribal governments, state and federal agencies, and other entities. Ecology also provides communications and outreach support, budget and management support, and administrative support to the board. A portion of this capital request will be used to support: - 1.0 FTE OCB Director - 1.0 FTE Office Manager - 1.0 FTE Principal Planner - 1.0 FTE Program Operations Coordinator - 1.0 FTE Community Flood Assistance & Resiliency (CFAR) Technical Assistance - 1.0 FTE Habitat and Restoration Project Manager - 1.0 FTE Financial Manager - 2.0 FTE Project Planner - 2.0 FTE Grants and Contracts Specialists- 0.25 FTE Budget Manager - 0.25 FTE Communications Manager The remaining direct FTEs will provide technical support for flood damage reduction and integrated flood and aquatic species projects in the basin. Work will include evaluating grant proposals and serving on technical working groups to develop elements of the Chehalis Basin Strategy. Staff will also conduct stream monitoring. Pending the Chehalis Basin Board's review and approval of the final 2025-27 project list, Ecology may require additional FTEs to oversee contracts and grants to ensure compliance with state law and Ecology policies. We may also need staff to provide increased technical assistance to local governments and landowners, model and monitor water quality, conduct economic evaluations, review geotechnical engineering reports, and provided permitting support associated with implementing local flood-damage reduction and habitat restoration projects. Please note, under this capital program these FTEs support projects using new appropriations and reappropriated funds.

Project Title	Project Number	Program	2023-25 FTEs	2025-27 FTEs	Account	Explanation
2025-27 Waste Tire Pile Cleanup and Prevention	40000621	SWM	1.15	1.15	08R-1	Ecology is requesting 1.15 FTEs for this work. This is the same level of FTEs currently supporting this capital program in the 2023-25 biennium. These staff manage and coordinate tire removal efforts and provide technical support for prevention and enforcement.
ASARCO Cleanup - Tacoma Smelter Plume	30000280 (Reapprop)	TCP	10.35	6.33	15H-1	This request requires 6.33 FTEs to continue supporting the ASARCO remediation activities in Tacoma as part of Ecology's ongoing cleanup. This FTE level is reduced from previous biennia in order to right size the staffing levels to project management. The cleanup plans for the Tacoma Smelter Plume site, particularly residential yard cleanup, is labor intensive. It requires outreach to individual property owners and the community at-large so Ecology can secure property access, plan and complete sampling, stage cleanup property groups, and continue education and outreach campaigns once remediation starts. Please note these FTEs support multiple appropriations.
2025-27 ASARCO Everett Smelter Plume Cleanup	40000641	TCP	4.03	4.03	057-1	This request requires 4.03 FTEs to continue supporting the ASARCO remediation activities in Everett as part of Ecology's ten-year cleanup plan. This FTE level is consistent with the 2023-25 biennium. The cleanup plans for the Everett Smelter Plume site, particularly residential yard cleanup, is labor intensive. It requires outreach to individual property owners and the community at-large so Ecology can secure property access, plan and complete sampling, stage cleanup property groups, and continue education and outreach campaigns once remediation starts. Please note, these FTEs support both this new appropriation and other related reappropriation projects under this capital program.
2025-27 Remedial Action Grant Program	40000726	TCP	5.18	5.18	057-1 / 23N-1	This request requires a total of 5.18 FTEs dedicated to grant management, policy analysis and development, cash management, and capital budget coordination for Ecology. This staffing level is consistent with our 2023-25 capital project request. This core work assures prudent oversight and careful financial management of state funds. The grant managers also provide technical expertise to program development and policy work and to agencywide projects. This includes their input and review of policy documents and helping manage Ecology's grant and loan system. Please note that all FTEs support this new appropriation and other related reappropriation projects under this capital program.
2025-27 Stormwater Financial Assistance Program	40000643	WQP	23.00	23.00	057-1 / 23R-1	Ecology requires a total of 23 FTEs to support ongoing management of 160 active grants from prior biennia SFAP funding and an estimated 80-90 new SFAP grants in 2025-27. SFAP FTEs that manage, oversee, and administer the expanded SFAP program and projects include: - Stormwater experts who manage the SFAP to ensure the highest priority projects will be funded. - Engineers who review project proposals and design documents to ensure appropriate technology application and outcomes. - Project managers who provide direct project oversight, technical assistance, and outcomes management. - Financial managers who oversee agreement development, funding conditions, and quality assurance and control of reimbursements that assure fiscal accountability. These staff also perform project tracking, reporting, and technology support. Please note, these FTEs support both this new appropriation and other related reappropriation projects under this capital program.
2025-27 Freshwater Aquatic Invasive Plants Grant Program	40000623	WQP	1.96	1.96	222-1	This request requires a total of 1.96 FTEs as follows: 0.6 FTE Environmental Specialist 4 and 0.1 FTE Environmental Specialist 5 are required to oversee and manage the grant process and provide technical assistance.1.0 FTE Natural Resource Scientist 3 is required to conduct inventories of aquatic plants species statewide and perform follow-up inventories of Ecology grant-funded aquatic weed control projects to determine effectiveness. This level of FTE is consistent with the 2023-25 biennium. Please note, these FTEs support both this new appropriation and other related reappropriation projects under this capital program.

Project Title	Project Number	Program	2023-25 FTEs	2025-27 FTEs	Account	Explanation
2025-27 Freshwater Algae Grant Program	40000624	WQP	0.46	0.46	10A-1	This request requires a total of 0.46 FTE to oversee and manage the grant process and provide technical assistance. This level of FTE is consistent with the 2023-25 biennium. Please note these FTEs support both this new appropriation and other related reappropriation projects under this capital program.
2025-27 Stormwater Community-Based Public-Private Partnerships	40000721	WQP	1.15	1.15	057-1	This project requires a total of 1.15 FTEs. Staff will continue the work started under Phase 2 and through Phase 3. Work includes administering the program, developing and soliciting applications, drafting grant guidelines, contracting with grant recipients, contracting with vendors and consultants, providing technical assistance, processing vendor/recipient payments, agreement maintenance and oversight, and closing grant awards. Please note, these FTEs support both this new appropriation and other related reappropriation projects under this capital program.
2025-27 Puget Sound Nutrient Reduction Grant Program	40000720	WQP	NA	2.30	057-1	This request requires a total of 2.30 FTEs. These staff will administer the program, including developing and soliciting applications, updating program guidelines, negotiating funding agreements with recipients, providing technical assistance, processing payments, maintaining and overseeing agreements, conducting site visits, and closing grant awards. Staff will manage and oversee up to 58 pass-through grants to 43 permitted municipalities that discharge to Puget Sound under the nutrient general permit. This level of FTEs is increased from 1.2 in the 2021-23 biennium to reflect the ongoing and significant need for technical assistance for permitted communities—specifically small communities.
2025-27 Riparian Buffer Incentive Program	40000673	WQP	NA	2.30	057-1	This project requires a total of 2.3 FTEs. Two environmental specialists will be needed to add staffing capacity to implement and manage ecosystem service and other riparian buffer incentives that will be developed and integrated into the funding program to expand riparian restoration efforts statewide.
2025-27 Columbia River Water Supply Development Program	40000681	OCR	7.13	9.43	057-1	Ecology's OCR manages both Columbia River and Yakima River Integrated Plan projects. OCR anticipates implementing large-scale projects (construction of water supply storage, fish and aquatic habitat, operational upgrades, delivery modifications and/or other water supply projects and/or acquisitions), etc.) and numerous small-scale habitat projects in 2025-27. In order to effectively manage the scale and complexity of these projects, OCR anticipates bringing on more project management and fiscal management staff to keep pace with Columbia River Basin implementation. These projects will require 9.4 FTEs to perform all activities related to coordinating development, overseeing feasibility, and bid solicitations, EIS review and implementation, construction management, receipt and confirmation of project deliverables and implementation of multiple large-scale water supply projects within the Columbia Basin. This is an increase of 2.3 FTEs above the 2023-25 biennium funding level. The increase is necessary due to overall project complexity and accelerated implementation schedule. Funding for capital FTE provides grant management and oversight services for all grants issued under the OCR Columbia River Water Supply Development Program. Services include financial management, project management, agreement customer service, EAGL system management and updates, issuance of grant guidance, evaluation of applications, negotiation of initial grant agreements, and future amendments for all grants awarded under the OCR. Please note that these FTEs support both this new appropriation and other related reappropriation projects under this capital program.

Project Title	Project Number	Program	2023-25 FTEs	2025-27 FTEs	Account	Explanation
2025-27 Yakima River Basin Water Supply	40000705	OCR	7.48	9.78	057-1	Ecology's OCR manages both Columbia River and Yakima River Integrated Plan projects. OCR anticipates implementing large-scale projects (construction of water supply storage, fish and aquatic habitat, operational upgrades, delivery modifications and/or other water supply projects and/or acquisitions), etc.) and numerous small-scale habitat projects in 2025-27. In order to effectively manage the scale and complexity of these projects, OCR anticipates bringing on more project management and fiscal management staff to keep pace with YBIP implementation. These projects will require 9.8 FTEs to perform all activities related to coordinating development, overseeing feasibility, and bid solicitations, EIS review and implementation, construction management, receipt and confirmation of project deliverables and implementation of multiple large-scale water supply projects within the Yakima Basin. This is an increase of 2.3 FTEs above the 2023-25 biennium funding level. The increase is necessary due to overall project complexity and accelerated implementation schedule. Funding for capital FTE provides grant management and oversight services for all grants issued under the OCR YBIP Program. Services include financial management, project management, agreement customer service, EAGL system management and updates, issuance of grant guidance, evaluation of applications, negotiation of initial grant agreements, and future amendments for all grants awarded under the OCR YBIP. Please note these FTEs support both this new appropriation and other related reappropriation projects under this capital program.
2025-27 Sunnyside Valley Irrigation District Water Conservation	40000674	OCR	0.23	0.23	057-1	This request requires a total of 0.23 FTE to continue implementing SVID and YRBWEP projects, contract management, oversight, and technical assistance. This is the same level of FTEs currently supporting this capital project in the 2021-23 and 2023 – 25 biennia. Please note, these FTEs support both this new appropriation and other related reappropriation projects under this capital program.
2023-25 Zosel Dam Preservation	40000605 (Reapprop)	Admin	0.23	0.23	057-1	This project requires a total of 0.23 FTE to provide project oversight and management, technical assistance, and stakeholder coordination to individual components of preservation projects, coordination with the IJC, and cooperation and communication with Canadian water managers.
			105.4	**115.4**		

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Project Requests	Vital Signs	Strategies	Targets	Desired Outcomes	Actions	Ongoing Program	Orca Task Force Recommendation	Federal Leveraging	Local Leveraging	Puget Sound Dollars	Total Request Dollars
1. 40000625 2025-27 Water Pollution Control Revolving Program	Freshwater, Marine Water, Streams and Floodplains, Toxics in Aquatic Life, Beaches and Marine Vegetation, Estuaries, Forests and Wetlands, Groundfish and Benthic Invertebrates, Orcas, Salmon, Zooplankton, Drinking Water, Shellfish Beds, Cultural Wellbeing, Economic Vitality, Good Governance, Sense of Place, Sound Stewardship	7. Freshwater Availability 8. Prevent Pollution 9. Source Identification and Correction 10. Stormwater Runoff and Legacy Contamination 11. Wastewater Systems 12. Working Lands Runoff 19. GHG Reductions and Carbon Sequestration 20. Climate Adaptation and Resilience 21. Sense of Place 22. Recreation and Stewardship 23. Transparent and Inclusive Governance 24. Cultural Practices 26. Human Health		1.3.1 ,1.5.2, 2.1.1, 2.1.4,2.2.1, 2.2.2, 2.3.1, 2.3.4, 4.2.1, 4.2.2, 4.3.1, 5.1.1, 5.1.2, 5.2.1, 5.2.2, 5.2.3, 5.2.4, 5.3.1, 5.4.1, 5.4.2, 5.4.3, 5.5.1, 5.5.2, 5.5.3, 5.6.2, 5.6.3, 5.6.4, 1.1.1, 1.1.2, 1.1.3, 1.2.1, 1.3.1, 1.3.2, 1.4.1, 1.4.2, 2.2.3, 2.2.4, 2.2.5, 2.3.2, 2.3.5, 3.2.2	3,5,6,7,9,10,11,12,20,24,31,32,35,40,86,98,137,151,154,155,156,161,162,196,197,200,201,211	OGP_ECY38: Water Quality - Provide Financial Assistance	1, 2, 31, 34, 41			$ 368,400,000	$ 614,000,000
2. 40000642 2025-27 Centennial Clean Water Program	Freshwater, Marine Water, Streams and Floodplains, Toxics in Aquatic Life, Beaches and Marine Vegetation, Estuaries, Forests and Wetlands, Groundfish and Benthic Invertebrates, Orcas, Salmon, Zooplankton, Drinking Water, Shellfish Beds, Cultural Wellbeing, Economic Vitality, Good Governance, Sense of Place, Sound Stewardship	4. Riparian Areas 5. Floodplains and Estuaries 7. Freshwater Availability 8. Prevent Pollution 9. Source Identification and Correction 10. Stormwater Runoff and Legacy Contamination 11. Wastewater Systems 12. Working Lands Runoff 19. GHG Reductions and Carbon Sequestration 20. Climate Adaptation and Resilience 21. Sense of Place 22. Recreation and Stewardship 23. Transparent and Inclusive Governance 24. Cultural Practices 26. Human Health		1.1.1, 1.1.2, 1.1.3, 1.2.1, 1.3.1, 1.3.2, 1.4.1, 1.4.2, 2.1.1, 2.2.1, 2.2.2,2.2.3, 2.2.4, 2.2.5, 2.3.1,2.3.2, 2.3.5, 3.2.2, 4.2.1, 4.3.1, 5.1.1, 5.1.2, 5.2.3, 5.2.4, 5.4.2, 5.6.2, 5.6.3, 5.6.4	3, 4, 5, 6, 7, 9, 10, 11, 12, 20, 24, 31, 35, 40, 63, 86, 98, 137, 151, 154, 155, 156, 161, 162, 196, 197, 200, 201, 211	OGP_ECY38: Water Quality - Provide Financial Assistance	1,2,34,41	CCWP funds are used to provide a required 40 percent match to secure the annual Clean Water Act Section 319 federal nonpoint grant program. Nonpoint source projects funded through the CCWP are used as the match. On average, $6.4 million in federal funds would be in jeopardy without the CCWP state match.	Centennial grants for up to $500,000 may be awarded for repair and replacement local loan programs with a 100 percent cash match. Match may be either a CWSRF loan or the recipient's own source of funds. Note that targeted OSS repair and replacement projects within a priority watershed are not required to provide match.	$ 48,000,000	$ 80,000,000
3. 40000726 2025-27 Remedial Action Grant Program	Marine Water, Toxics in Aquatic Life	10. Stormwater Runoff and Legacy Contamination		2.1.1, 2.1.4	33, 41	OGP_ECY20: Toxic Cleanup Program - Cleaning up priority bays in Puget Sound	31			$ 104,221,000	$ 108,231,000
4. 40000660 2025-27 Floodplains by Design	Streams and Floodplains	5. Floodplains and Estuaries	Fund 4,554 acres of floodplain or estuary habitat restoration or reconnection	1.1.1, 1.1.2, 1.1.3, 1.2.1, 1.3.1, 1.3.2, 1.3.3, 1.4.1, 1.4.2	19, 20, 24	OGP_ECY13: Shorelands - Floodplains by Design	1			$ 52,920,000	$ 84,000,000
5. 40000643 2025-27 Stormwater Financial Assistance Program	Freshwater, Marine Water, Streams and Floodplains, Toxics in Aquatic Life, Beaches and Marine Vegetation, Estuaries, Forests and Wetlands, Groundfish and Benthic Invertebrates, Orcas, Salmon, Zooplankton, Drinking Water, Shellfish Beds, Cultural Wellbeing, Economic Vitality, Good Governance, Sense of Place, Sound Stewardship	4. Riparian Areas 5. Floodplains and Estuaries 7. Freshwater Availability 8. Prevent Pollution 10. Stormwater Runoff and Legacy Contamination 19. GHG Reductions and Carbon Sequestration 20. Climate Adaptation and Resilience 21. Sense of Place 22. Recreation and Stewardship 23. Transparent and Inclusive Governance 24. Cultural Practices 26. Human Health		1.3.1, 1.3.3, 1.5.2.; 2.1.1., 2.1.4., 2.2.2., 2.2.5., 2.3.4. , 2.3.5., 2.4.1, 4.1.1, 4.2.1.,4.2.2 , 4.3.1 , 5.1.1., 5.1.2, 5.2.1.,5.2.2. , 5.2.3., 5.2.4., 5.4.1., 5.4.2. ,5.4.3., 5.5.1., 5.5.2., 5.5.3., 5.6.2., 5.6.3., 5.6.4	3, 10, 31, 32, 40, 63, 86, 98, 137, 139, 151, 154, 156, 161, 162, 197, 200	OGP_ECY38: Water Quality - Provide Financial Assistance	31,32,34		Local match for SFAP-funded projects is 15 percent (5 percent for hardship communities). Projects awarded SFAP funding must provide cash match.	$ 48,000,000	$ 80,000,000

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Project Requests	Vital Signs	Strategies	Targets	Desired Outcomes	Actions	Ongoing Program	Orca Task Force Recommendation	Federal Leveraging	Local Leveraging	Puget Sound Dollars	Total Request Dollars
6. 40000659 2025-27 Reducing Diesel Greenhouse Gases (GHG) and Toxic Emissions	Air Quality	8. Prevent pollution. 19. GHG Reductions and Carbon Sequestration. 26. Human Health.		2.1.1, 4.1.1, 4.2.1 and 5.6.1	40, 136, 199	OGP_ECY32: Air - Reducing Diesel, GHG, and Toxic Emissions	43	The Environmental Protection Agency (EPA) provides additional federal funds to states that provide matching funds under the Diesel Emissions Reduction Act Program (State DERA). If Ecology provides a voluntary match equal to the base allocation offered by EPA, EPA will provide additional funding equal to fifty percent of the base allocation.	Grant recipients are required to provide mandatory cost share. Typically 40%-60% of the total project cost.	$ 14,284,000	$ 21,319,000
7. 40000720 2025-27 Puget Sound Nutrient Reduction Grant Program	Marine Water, Freshwater, Orcas, Salmon, Shellfish beds, Cultural Wellbeing	11. Wastewater Systems, 15. Salmon Harvest and Hatchery 16. Eelgrass, Kelp, and Other Vegetation 20. Climate Adaptation and Resilience 24. Cultural Practices 26. Human Health A. Funding,		2.1.1, 2.1.4, 2.2.1, 4.3.1, 5.1.1, 5.3.1, 5.3.2, 5.6.4	24, 26, 34, 37, 38, 86, 89, 91, 128, 150, 161, 171, 173, 175, 197, 200, 205, 206, 207, 210,	OGP_ECY38: Water Quality - Provide Financial Assistance	34, 39			$ 30,000,000	$ 30,000,000
8. 40000644 2025-27 Affordable Housing Cleanup Grant Program	Marine Water, Toxics in Aquatic Life	10. Stormwater Runoff and Legacy Contamination		2.1.1, 2.1.4	33, 41	OGP_ECY20: Toxic Cleanup Program - Cleaning up priority bays in Puget Sound	31			$ 9,654,000	$ 9,654,000
9. 40000725 2025-27 Streamflow Restoration Program	Streams and Floodplains	7. Freshwater Availability		1.5.1, 1.5.2	28	OGP_ECY51: Water Resources - Streamflow Restoration program				$ 26,800,000	$ 40,000,000
10. 40000626 2025-27 State Match - Water Pollution Control Revolving Program	Freshwater, Marine Water, Streams and Floodplains, Toxics in Aquatic Life, Beaches and Marine Vegetation, Estuaries, Forests and Wetlands, Groundfish and Benthic Invertebrates, Orcas, Salmon, Zooplankton, Drinking Water, Shellfish Beds, Cultural Wellbeing, Economic Vitality, Good Governance, Sense of Place, Sound Stewardship	7. Freshwater Availability 8. Prevent Pollution 9. Source Identification and Correction 10. Stormwater Runoff and Legacy Contamination 11. Wastewater Systems 12. Working Lands Runoff 19. GHG Reductions and Carbon Sequestration 20. Climate Adaptation and Resilience 21. Sense of Place 22. Recreation and Stewardship 23. Transparent and Inclusive Governance 24. Cultural Practices 26. Human Health		1.3.1 ,1.5.2, 2.1.1, 2.1.4,2.2.1, 2.2.2, 2.3.1, 2.3.4, 4.2.1, 4.2.2, 4.3.1, 5.1.1, 5.1.2, 5.2.1, 5.2.2, 5.2.3, 5.2.4, 5.3.1, 5.4.1, 5.4.2, 5.4.3, 5.5.1, 5.5.2, 5.5.3, 5.6.2, 5.6.3, 5.6.4, 1.1.1, 1.1.2, 1.1.3, 1.2.1, 1.3.1, 1.3.2, 1.4.1, 1.4.2, 2.2.3, 2.2.4, 2.2.5, 2.3.2, 2.3.5, 3.2.2	3, 5, 6, 7, 9, 10, 11, 12, 20, 24, 31, 32, 35, 40, 86, 98, 137, 151, 154, 155, 156, 161, 162, 196, 197, 200, 201, 211	OGP_ECY38: Water Quality - Provide Financial Assistance	1, 2, 31, 34, 41			$ 24,600,000	$ 41,000,000
11. 40000651 2025-27 Product Replacement Program	Toxics in Aquatic Life, Orcas, Salmon, Economic Vitality, Good Governance, Sound Stewardship	8. Prevention 21. Sense of Place 23. Transparent and Inclusive Governance 26. Human Health	8. Toxic Chemical Pollution	2.1.1, 2.1.2, 2.1.3, 2.1.4, 2.1.5, 5.1.1, 5.1.2, 5.2.1, 5.2.2, 5.2.3, 5.2.4, 5.6.4	33, 41, 42, 43, 44, 96, 98, 161, 162, 163	OGP_ECY03: Hazardous Waste and Toxics Reduction - Pollution Prevention Assistance Partnership in Puget Sound	29, 30, 31			$ 5,850,000	$ 9,000,000
12. 40000641 2025-27 ASARCO Everett Smelter Plume Cleanup	Marine Water, Outdoor Activity	1. Smart Growth 10. Stormwater Runoff and Legacy Contamination 26. Human Health		2.1.1, 2.1.4	33, 41	OGP_ECY21: Toxic Cleanup Program - Everett Smelter Plume	31			$ 7,239,000	$ 7,239,000

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Project Requests	Vital Signs	Strategies	Targets	Desired Outcomes	Actions	Ongoing Program	Orca Task Force Recommendation	Federal Leveraging	Local Leveraging	Puget Sound Dollars	Total Request Dollars
13. 40000652 2025-27 Reducing Toxic Wood Stove Emissions	Air Quality	8. Prevent pollution. 26. Human Health.		5.6.1	112, 199	OGP_ECY33: Air - Reducing Toxic Woodstove Emissions				$ 2,790,000	$ 4,164,000
14. 40000653 2025-27 Clean Up Toxic Sites – Puget Sound Initiative	Marine Water, Toxics in Aquatic Life	10. Stormwater Runoff and Legacy Contamination		2.1.1, 2.1.4	33, 41	OGP_ECY20: Toxic Cleanup Program - Cleaning up priority bays in Puget Sound	31			$ 3,150,000	$ 3,150,000
15. 40000721 2025-27 Stormwater Community-Based Public-Private Partnerships	Freshwater,Marine Water,Streams and Floodplains,Toxics in Aquatic Life,Estuaries,Forests and Wetlands,Forage Fish,Groundfish and Benthic Invertebrates,Orcas,Salmon,Air Quality,Outdoor Activity,Shellfish Beds,Economic Vitality,Good Governance,Sense of Place,Sound Stewardship	1. Smart Growth 10. Stormwater Runoff and Legacy Contamination 15. Salmon Harvest & Hatchery 19. GHG Reductions and Carbon Sequestration 20. Climate Adaptation and Resilience 21. Sense of Place 22. Recreation and Stewardship 23. Transparent and Inclusive Governance 24. Cultural Practices 26. Human Health A. Funding B. Strategic Leadership & Collaboration	Support 1,340 homes or structures with reduced flood or climate risk	1.5.2, 2.1.1., 2.1.4, 2.2.2, 2.2.5, 2.3.4, 2.4.1, 4.1.1, 4.2.1, 4.3.1, 5.1.1, 5.1.2, 5.2.1,5.2.2, 5.2.3, 5.2.4, 5.4.1, 5.4.2,5.4.3, 5.5.1, 5.5.2, 5.5.3, 5.6.2, 5.6.3, 5.6.4	3, 10, 31, 32, 43, 78, 86, 98, 128, 135, 137, 139, 150, 151, 154, 161, 162, 163, 173, 174, 175, 181, 197, 200, 207, 210	OGP_ECY38: Water Quality - Provide Financial Assistance	31, 32, 34		This proposal provides funding for local governments to attact private investment dollars	$ 15,000,000	$ 25,000,000
16. 40000673 2025-27 Riparian Buffer Incentive Program	Freshwater,Streams and Floodplains,Toxics in Aquatic Life,Estuaries,Forests and Wetlands,Birds,Forage Fish,Groundfish and Benthic Invertebrates,Orcas,Salmon,Zooplankton,Shellfish Beds,Sound Stewardship	2. Protect Working Lands 4. Riparian Areas 9. Source Identification and Correction 12. Working Lands Runoff 15. Salmon Harvest & Hatchery, 16. Eelgrass, Kelp, and Other Vegetation 19. GHG Reductions and Carbon Sequestration 20. Climate Adaptation and Resilience 25. Natural Resource Industries A. Funding	675 acres of riparian buffer installed in Puget Soundagricultural areas	1.1.1.,1.4.1.,1.4.2.,1.5.2.,2.1.1.,2.2.2.,2.2.3.,2.2.5.,2.3.4.,2.3.5.,2.3.6.,4.3.1,5.2.1.,5.2.2.,5.2.3.,5.2.4.,5.4.1.,5.4.2.,5.4.3.,5.5.1.,5.5.3.,5.6.3.,5.6.4.	1, 7, 8, 10,11, 12, 24, 31, 34, 35, 78, 98, 126, 127, 128, 159, 161	• OGP_ECY36: Water Quality - Clean Up Polluted Waters - standards and water quality improvement plans (TMDLs), • OGP_ECY37: Water Quality - Reduce Nonpoint Source Water Pollution, • OGP_ECY38: Water Quality - Provide Financial Assistance	1, 34, 40, 48	This funding will support and leverage the CR2SL federal funding by providing the required state matching funds to secure the federal dollars.		$ 18,000,000	$ 30,000,000
17. 40000624 2025-27 Freshwater Algae Grant Program	Freshwater, Streams and Floodplains, Toxics in Aquatic Life, Outdoor Activity, Economic Vitality, Good Governance, Sense of Place, Sound Stewardship.	21. Sense of Place 22. Recreation and Stewardship 23. Transparent and Inclusive Governance 24. Cultural Practices 25. Natural Resource Industries 26. Human Health		2.2.2, 2.2.3. 2.2.4, 2.2.5, 3.2.1. 4.3.1,5.1.1, 5.2.1, 5.2.2,5.2.3, 5.3.1, 5.3.2, 5.4.1, 5.4.2, 5.4.3, 5.5.1, 5.5.2, 5.5.3, 5.6.2, 5.6.3, 5.6.4	24, 31, 159, 200	OGP_ECY38: Water Quality - Provide Financial Assistance			Grant recipients are required to provide matching funds for Freshwater Algae Program grants. Projects will be funded at 75 percent state share and 25 percent local share. Match can consist of any combination of cash, interlocal costs, or in-kind contributions.	$ 480,000	$ 800,000
18. 40000623 2025-27 Freshwater Aquatic Invasive Plants Grant Program	Freshwater, Marine Water, Streams and Floodplains, Toxics in Aquatic Life, Beaches and Marine Vegetation, Estuaries, Orcas, Salmon, Zooplankton, Air Quality, Economic Vitality, Good Governance, Sense of Place, Sound Stewardship	5. Floodplains and Estuaries 14. Invasive Species 17. Responsible Boating 21. Sense of Place 22. Recreation and Stewardship 23. Transparent and Inclusive Governance 24. Cultural Practices 25. Natural Resource Industries 26. Human Health		2.2.2, 2.2.3. 2.2.4, 2.2.5, 3.2.1. 4.3.1,5.1.1, 5.2.1, 5.2.2,5.2.3, 5.3.1, 5.3.2, 5.4.1, 5.4.2, 5.4.3, 5.5.1, 5.5.2, 5.5.3, 5.6.2, 5.6.3, 5.6.4	46, 202, 203	OGP_ECY38: Water Quality - Provide Financial Assistance			Ecology requires grant recipients to provide matching funds for AWMF grants. The percentage of match varies according to project type. Ecology funds general aquatic plant projects at 75 percent state share and 25 percent local match. Pilot projects and early infestation projects are funded at 87.5 percent state share and 12.5 percent local share.	$ 1,020,000	$ 1,700,000
19. 40000622 2025-27 Coastal Wetlands Federal Funds	Estuaries, and Forest and Wetlands	5. Floodplains and Estuaries 24. Cultural Practices	Fund 4,554 acres of floodplain or estuary habitat restoration or reconnection	1.1.1, 1.1.2, 1.1.3, 1.2.1, 1.4.1, 1.4.2, 5.3.2	12, 24, 89, 91		1	With a 25% match, the program leverages 75% project cost in Federal grant funding	Local match may be used to meet federal grant match requirements	$ 9,000,000	$ 10,000,000
Total Capital Request in Support of the Puget Sound Action Agenda										**$ 789,408,000**	

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DEPARTMENT OF
ECOLOGY
State of Washington

2025-27 Biennium

Maintenance Backlog Reduction Plan

September 2024

This 2025-27 Maintenance Backlog Reduction Plan (2025-27 Plan) meets the requirements of the Office of Financial Management's (OFM) 2025-27 Capital Budget Instructions and RCW 43.88.030 (5)(d). The plan identifies maintenance activities, prioritization of maintenance tasks, owned facility assessments, and Ecology's preservation plan.

Operating Budget Resources

Following is a partial list of maintenance activities and contracted services that Ecology funds from its operating budget:

- Janitorial Services
- Fire Protection Systems and Maintenance
- Security Services
- Landscaping and Parking Lot Maintenance
- Painting and Finishes
- Electrical Services and Maintenance
- Plumbing Services and Maintenance
- Elevator Services and Maintenance
- Heating, Ventilation and Air Conditioning (HVAC) Services and Maintenance

Cost for these activities vary by facility. For leased facilities, the terms of the lease may address these activities.

No Ecology facilities have experienced a catastrophic failure. However, while Ecology has been able to fund ongoing maintenance and repairs through its operating budget, as facilities age and the maintenance backlog grows, Ecology will require capital budget funding to address major preservation projects.

Maintenance Activities

Ecology categorizes facility maintenance activities as either regular scheduled activities, or reactive activities. Regular scheduled activities include recurring inspections and recurring tasks. Recurring inspections are required of various systems, including but not limited to, heating and ventilation systems, fire alarm systems, and elevators. Regular scheduled activities include changing of various filters, exercising valves, and replacement of appropriate equipment. Reactive activities focus on responding to unpredicted failures of equipment and infrastructure. Reactive activities can range in scope from simple replacement of light bulbs to the mitigation of flood damage following a burst pipe.

Prioritization

Through regular scheduled inspections and observations made during recurring tasks, facilities staff create a priority ranking system for outstanding discrepancies with the following categories:

- **Emergency.** An Emergency is an incident occurring on any asset that:
  - Threatens imminent risk of serious or life threating injury to persons; or
  - Presents a high risk of extensive damage to property and/or the environment.
- **Priority 1.** Where there is substantial damage or defect or imminent threat of substantial damage to an asset that makes it unfit for use, habitation, causing severe business impact, or is in serious breach of a legal obligation.
- **Priority 2.** Where there are defects that may cause either serious discomfort or lead to significant damage to Ecology facilities.
- **Priority 3.** Where there are defects on any asset, where the damage or impact on operational function is low, or where assets that are no longer required, but due to operational practices still require maintenance.

Ecology currently tracks this prioritization using an excel spreadsheet which allows facilities staff to monitor progress of proposed projects. Moving forward, the facilities staff is working to integrate a "computer aided facilities maintenance" (CAFM) system to further increase the tracking and management of maintenance discrepancies. This will also allow facilities staff to manage statewide agency space use more efficiently.

Administrative and facilities management staff meet monthly to identify new projects, report on the status of current projects, and set priorities. The team updates the Preservation Plan to reflect any new information or changing priorities.

Ecology's budget requests identify funding levels needed to reduce, or eliminate, maintenance backlog and perform preventative maintenance that will avoid creating a larger backlog of deferred maintenance items. Ecology's capital budget requests include projects to address specific facility deficiencies that contribute to Ecology's deferred maintenance backlog.

Facility Assessments

Ecology conducts comprehensive maintenance using funds from its operating budget. This budget allows Ecology to provide safe, efficient, and well-maintained facilities for Ecology staff and the public. The Facilities Operations and Services Section conducted a comprehensive evaluation of both owned and leased agency properties in the 2021-23 biennium. The evaluation identified and recommended maintenance, repairs, renovations, and replacements of equipment and systems at these properties over the next 10 years. These investments will protect Ecology's owned properties from escalating costs and improve the safety and efficiency of the buildings.

Ecology owns, maintains, and operates three separate facilities and one dam: Ecology's Lacey Building (built in 1993), Spokane Eastern Regional Office (built in 1975), the Padilla Bay Reserve Campus and Zosel Dam. Each of these facilities are well cared for and are generally in good condition. As the buildings age however, regular maintenance and potentially significant capital repairs will be required to preserve each facility's condition and ensure building operations are safe and efficient. Zosel Dam, located in Okanogan County, is also owned and operated by Ecology under the authority of RCW 43.21A.450. Ecology is legally responsible for the operation and maintenance of this facility, as governed by United States federal law, Washington state law, and the 1909 Boundary Waters Treaty (Canada-United States of America).

The following descriptions provide a brief overview of Ecology-owned properties and facilities.

- **Ecology's Lacey Building**
  The Lacey Building is 31 years old—constructed in 1993—and is generally in good condition. Thorough maintenance practices have extended the service life expectancy on multiple building systems including HVAC, plumbing, electrical, emergency generators, and fire protection systems. However, at 31 years old, these, and other building systems, will require significant repairs and/or replacement soon.

- **Spokane Eastern Regional Office (ERO)**
  Ecology's ERO facility in Spokane—constructed in 1975 —has housed Ecology since the early 1980s. Ecology has maintained the facility well, but as the building continues to age, regular maintenance and potentially significant capital repairs will be required to preserve the facility's condition and ensure building operations are safe and efficient.

- **Padilla Bay Reserve**
  The Padilla Bay National Estuarine Research Reserve (Padilla Bay NERR) is located 60 miles north of Seattle between Mount Vernon and Anacortes. This is a research-oriented facility with a limited amount of office space, comprised of several buildings and located on 64 acres. Buildings include: an office and meeting facility; an interpretive center; a historical farmhouse; a scientific research laboratory; a restored barn used as a storage and maintenance facility; a bunkhouse to accommodate research scientists, volunteers, and meeting participants; and a boat and equipment building

- **Zosel Dam & Control Facility**
  The Zosel Dam & Control Facility is a critical piece of state infrastructure owned and operated by Ecology under the authority of RCW 43.21A.450. Routine maintenance and other projects are required to preserve the condition of this asset and ensure continued operation. Ecology conducts some operation and maintenance activities through agreements with local public entities like the Okanogan-Tonasket Irrigation District.

Ecology's 2025-27 Maintenance Backlog Reduction Plan Projects include the following:

- **Lacey Building Fire Alarm System Replacement ($1,138,273):** The fire alarm detection and annunciation system located at Ecology's Lacey building is 10 years past its anticipated service life and needs to be replaced. Major analog components of this system are no longer available and when they fail, replacements are difficult to find and used parts must be procured. Additionally, the system interface is outdated and is cumbersome to use by first responders. Ecology, as part of its 2025-27 biennial budget, has requested funding to replace this system with a modern digital system.
- **ERO Building HVAC Replacement Boiler and Condensers ($800,000):** Major components of Ecology's Heating, Venting, and Air Conditioning (HVAC) System in our Eastern Regional Office (ERO) are at the end of their service lives and must be replaced. HVAC systems and their components have a 15–20-year service life. Ecology replaced the boiler in 2001 and the condensers in 2006. Any failure of these key items will result in the ERO being unusable, as the building could not be heated or cooled. Additionally, replacing these components will reduce our greenhouse gas (GHG) emissions, as modern systems are more efficient and use less energy. Ecology, as part of its 2025-27 biennial budget, has requested funding to replace this system with a modern digital system.
- **Miscellaneous Projects**
  In addition, Ecology is planning to complete the following projects in 2025-27. Funding for these projects has already been obtained or will be funded as part of Ecology's Cost Allocation model.
  - Continuation of Elevator modernization/upgrades at Ecology's Lacey building and Padilla Bay.
  - Fixing water leaks in the building that houses the emergency backup generator for the Lacey building.
  - Painting external fire escape at the Spokane building.
  - Replacing emergency lighting in escape stairwells with LED lighting at the Spokane building.
  - Structural survey of the observation deck at Padilla Bay.

Facility Preservation Plan

Ecology has identified the following projects are required to maintain safe work environments and preserve state assets. Deferring these projects may result in risks to employee safety, property devaluation, and potential liability:

Table 1: Ecology's Facility Preservation Plan

Facilities Restoration and Preservation Projects by Biennia

Facility	Project	Est. Biennium	Est. Cost	Fund Source	Priority
Lacey	Elevator Upgrades	2025-27	$1,500,000	SBCA	2
Lacey	Lacey Building Fire Alarm System Replacement	2025-27	$1,138,000	SBCA	1
Lacey	Water leaks Generator House	2025-27	$40,000	CA	2

Pad Bay	Elevator Upgrades	2025-27	$400,000	SBCA	1
Pad Bay	Structural Survey Observation Deck	2025-27	$75,000	TBD	1
Spokane	ERO Building HVAC Replacement Boiler and Condensers	2025-27	$800,000	SBCA	2
Spokane	Paint External Fire Escape	2025-27	$10,000	CA	3
Spokane	Replace Lights in Escape Stairwells with LEDs	2025-27	$8,000	CA	3
Statewide	Facility Maintenance Backlog Plan Update	2025-27	TBD	CA	3
Lacey	Transformer Replacement	2027-29	$100,000	SBCA	2
Lacey	Redesign and Construct New Reception Area	2027-29	$150,000	SBCA	3
Lacey	Replace floor coverings	2027-29	TBD	SBCA	3
Pad Bay	Roof Repairs Interpretive Centre	2027-29	$100,000	TBD	1
Pad Bay	Roof Replacement Farmhouse	2027-29	$50,000	TBD	1
Pad Bay	Structural Repairs Observation Deck	2027-29	TBD	TBD	1
Pad Bay	External Refresh Farmhouse	2027-29	$20,000	TBD	3
Pad Bay	Replace Heat Pumps	2027-29	$60,000	TBD	2
Pad Bay	External Paint Observation Deck	2027-29	$75,000	TBD	3
Pad Bay	Resurface & Restripe Car park	2027-29	300,000	TBD	3
Spokane	Replace Roof Covering	2027-29	1,500,000	SBCA	2
Spokane	Internal Annex Refresh	2027-29	$50,000	TBD	3
Zosel Dam	Paint External Cladding	2027-29	$500,000	SBCA	3
The plan reflects current priorities. These may change as Ecology identifies new projects or changes priorities of existing projects.					

Department of Ecology
2025-2035 Capital Budget

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OFM

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/30/2024 9:41PM

Project Number: **40000723**
Project Title: **Lacey Building Fire Alarm System Replacement**

Description

Starting Fiscal Year: 2026
Project Class: Preservation
Agency Priority: 23

Project Summary

The fire alarm detection and annunciation system located at Ecology's Headquarters Building in Lacey is 10 years past its anticipated service life and needs to be replaced. Major analog components of this system are no longer available, and when they fail, replacements are difficult to find, and used parts must be procured. Additionally, the system interface is outdated and cumbersome to use by first responders. This request would fund the replacement of the fire alarm detection and annunciation system with a modern digital system. (State Building Construction Account)

Project Description

What is the proposed project?

Ecology is requesting $1,138,000 for the replacement and upgrade of the fire alarm detection and annunciation system located at Ecology's Headquarters Building, in Lacey.

Ecology's Lacey building is a 330,000-square-foot building that was built in 1993, and it houses Ecology's Headquarters and Southwest Regional Office. In addition, it houses the Washington Conservation Commission, an office of the Environmental Protection Agency, and will soon house the headquarters of the Washington State Parks. It is a three-story (plus a basement) office building with a capacity of more than 1,100 people.

The fire alarm detection and annunciation systems are critical life and safety systems. The system not only detects fires and automatically alerts staff and first responders, but the system also allows us to alert staff and the public who are in the building to threats of all kinds, including an active shooter. The current system is original to the building and is 10 years past the end of its service life. Replacement parts are difficult to find and, in some cases, are being procured used. The interface is cumbersome and does not have safety features found in a modern system. New systems include features such as a full suite of automated emergency responses, such as automatically using different lighting, sirens, and audio appropriate to the threat.

In the 2023-25 biennium, Ecology contracted with an engineering firm that specializes in fire alarm systems to analyze the building's needs. They provided a recommendation and have provided estimated costs for construction. This request will fund their recommendation and allow Ecology to contract with a construction firm to replace the system.

The final budget for this project was developed based on the attached Capital Plan (C-100) and cost estimates completed by TRES West Engineering, Inc., dated August 15, 2024 (see attached). The estimated cost breakdown by cost component is below:

Consultant Services
Design Phase Services: $90,380
Other Services: $40,605
Design Services Contingency: $13,099
Consultant Services Subtotal: $144,084
Consultant Services Subtotal Escalated: $149,222

Construction
Maximum Allowable Construction Cost (MACC): $754,131
Owner Construction Contingency: $75,413
Sales Tax: $80,466
Construction Subtotal: $910,049

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/30/2024 9:41PM

Project Number: 40000723
Project Title: Lacey Building Fire Alarm System Replacement

Description

Construction Subtotal Escalated: $948,049

Agency Project Administration
Other Project Admin Costs: $38,945
Project Administration Subtotal: $38,945
Project Administration Subtotal Escalated: $40,574

Total Project: $1,093,038
Total Project Escalated: $1,137,845
Total Project Escalated (Rounded): $1,138,000

What opportunity or problem is driving this request?
The fire alarm detection and annunciation system located at Ecology's Lacey building is original to the building. It is an engineered fire alarm system with component technologies that are outdated and at the end of useful life. Major analog components of these systems are no longer available, and when they fail, replacements are often difficult to find and are procured used. The control system software and interface are outdated and need to be replaced.

What are the specific benefits of this project?
The new fire alarm detection and annunciation system would be replaced and modernized. The new system would have an anticipated 20-year life expectancy and include modern features that increase the safety of our staff and the public when they are in the building. Modern systems include features such as a full suite of automated emergency responses, such as automatically using different lighting, sirens, and audio appropriate to the threat.

This request will also provide economic benefits to the state by creating up to four jobs during the next two years, based on Office of Financial Management estimates.

What are the effects of non-funding?
This system is a critical life safety system and is required by code and enforced by the local jurisdiction. Not addressing these antiquated systems means the Lacey Building could be closed by local authorities if a significant failure were to occur.

If Ecology's Headquarters Building was not accessible due to a failed fire alarm system, nearly all of Ecology's services would be impacted. With service slowdowns due to limited access to vehicles, information technology infrastructure, including printers and specialized equipment, and other functions that rely on the physical building to house their equipment.

Why is this the best option or alternative?
In considering this proposal Ecology looked at the following alternates:

Do Nothing
Currently, the fire alarm is only funded for routine maintenance from the operational budget. If this system isn't replaced, doing nothing may lead to a failure of one or more components of the current system. With parts being difficult, and in some cases impossible to find, a failed part may lead to the closing of the building until a solution can be identified. In addition, Washington State Parks will soon be moving its headquarters into this facility. Doing nothing may place this agency at unnecessary risk of having to close due to the potential failure of the fire alarm system.

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/30/2024 9:41PM

Project Number: **40000723**
Project Title: **Lacey Building Fire Alarm System Replacement**

Description

Replacement of the Existing Fire Alarm
The preferred option is to replace the current fire alarm systems with a modern, up-to-date system. This will remove the likelihood of a catastrophic failure of the current systems, reduce maintenance costs, and provide the agency with a safe place to work for its staff, the public, and tenants.

How will clients be affected and services change if this project is funded?
Ecology's offices are key to supporting local communities. These offices and the services that they offer are critical to environmental justice and equity work within the state. It is important systems in our buildings are maintained for both Ecology staff and the communities we serve. By replacing the fire alarm system, Ecology is ensuring that these services to communities will not be impacted, and the Ecology Headquarters Building will operate without interruption.

What is the agency's proposed funding strategy for the project?
Ecology is requesting State Building Construction Account funding for this work.

Are FTEs required to support this project?
None

How does the project support the agency and statewide results?
This request is essential to achieving Ecology's Goal 1: Support and engage our communities, customers, and employees, and the Governor's Results Washington Goal 5: Efficient, Effective, and Accountable Government because it will ensure the safety of our staff and the public when they are in the building and protect the state's assets.

How will the other state programs or units of government be affected if this project is funded?
This project will keep Ecology's Headquarters Building in Lacey safe and available for use by Ecology, its tenants, and the public.

Location
City: Lacey **County:** Thurston **Legislative District:** 022

Project Type
Facility Preservation (Minor Works)

Growth Management impacts
N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	New Approps
057-1	State Bldg Constr-State	1,138,000				1,138,000
	Total	**1,138,000**	**0**	**0**	**0**	**1,138,000**

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Capital Project Request

2025-27 Biennium

*

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/30/2024 9:41PM

Project Number: 40000723
Project Title: Lacey Building Fire Alarm System Replacement

Funding

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact



DES Department of Ecology – Fire Alarm System Replacement Basis of Design

Summary

It is understood that the Fire Alarm system in the Department of Ecology building is in need of a replacement. The purpose of this project is to replace the existing Edwards Fire Alarm System with a new Edwards or Notifier Fire Alarm system.

Existing System Summary:

While reviewing the existing drawings and walking the site the following was observed:

- The existing building is 100% sprinklered.
- Existing FACP is an Edwards EST voice evacuation system.
- Smoke detectors are being used for a smoke control system.
- Most coverage in the building appears to be code compliant.
- Pull-station coverage at all exit doors to remain.

Fire Alarm System Scope

Remove and replace the existing Fire Alarm system including the FACP, any existing Notification Appliance Circuit (NAC) panels, pull stations, smoke detectors, duct detectors, relays and monitoring devices with new devices. Remove and replace all existing notification devices. Utilize existing wiring to all existing locations.

Provide a new Fire Alarm system that meets the following codes and standards:

- Lacey Municipal code
- 2021 International Building Code (IBC)
- 2021 International Fire Code (IFC)
- 2020 National Electrical Code (NFPA 70)
- 2019 National Fire Alarm and Signaling Code (NFPA 72)
- Washington Administrative Code (WAC)
- Americans with Disabilities Act (ADA)

Fire Alarm system is to be a voice evacuation type using Speakers, Strobes and Speaker-Strobes. Basis of design is to be installed per the following parameters:

- Provide new FACP at same location as existing. Phase demolition of and installation to limit downtime. Provide new FACP on plywood board and then move to wall once system is complete. Then remove existing FACP.
- Replace duct detectors, smoke/heat detectors, relays, and controls.
- Replace notification devices..
- Replace Annunciator panel at the main entry.
- Replace NAC Panels and Amplifiers as necessary for a complete system.
- Replace existing pull stations.
- Provide keys for Knox box at main entry for Lacey Fire Department.

2702 SOUTH 42ND STREET, SUITE 301, TACOMA, WA 98409-7315 TELEPHONE (253) 472-3300

- FACP and NAC panels to be backed by battery.
- Additional notification devices to be placed in areas indicated on site walk (conference rooms and some multi-tenant offices).
- Red Fire Alarm wiring to be provided and connected to the closest nearby circuit.

Fire Alarm System Wire Routing:

- Fire Alarm wiring to be run open where accessible in a dedicated run of j-hooks. Where not accessible Fire Alarm wiring to be run in conduit.

Electrical Requirements

- Existing circuits serving existing FACP, NAC panels and Amplifiers to be utilized.
- Verify the all circuits are labeled for Fire Alarm.
- NAC Panels and Amplifier panels are to be backed up with batteries and are not required to be on emergency power.

Tres West Engineers, Inc. 2702 South 42nd St. Suite 301, Tacoma, WA 98409 (253) 472-3300

COST OPINION

PROJECT: DES - ECY - Fire Alarm

JOB NO. 230901

Fire Alarm Cost Summary

Estimated By: JNK			Status	Date:	8/15/2024
Checked By: JCM			100% SD	Fire Alarm	

SPEC. SEC.	ITEM	DESCRIPTION	QUAN.	UNIT	MATERIALS & LABOR TOTAL
		FIRE ALARM COST SUMMARY			
		ECY Demolition			$221,700
		ECY New			$532,431
				Base Bid	$754,131

Tres West Engineers, Inc. 2702 South 42nd St. Suite 301, Tacoma, WA 98409 (253) 472-3300

COST OPINION

PROJECT: DES - ECY - Fire Alarm

JOB NO. 230901

Fire Alarm Demolition Cost Summary

Estimated By: JNK			Status	Date:	8/15/2024
Checked By: JCM			100% SD	Fire Alarm	

SPEC. SEC.	ITEM	DESCRIPTION	QUAN.	UNIT	MATERIALS & LABOR	TOTAL
		Fire Alarm Demolition				
		Fire Alarm Control Panel, NAC, Annunciator	5	EA	$2,000.00	$10,000
		Initiation Device	847	EA	$150.00	$127,050
		Notification Device	318	EA	$150.00	$47,700
					Subtotal:	**$184,750**
				OH+P	**20%**	**$36,950**
					Total	**$221,700**

Tres West Engineers, Inc. 2702 South 42nd St. Suite 301, Tacoma, WA 98409 (253) 472-3300

COST OPINION

PROJECT: DES - ECY - Fire Alarm

JOB NO. 230901

Fire Alarm New Cost Summary

Estimated By: JNK				Status	Date:	8/15/2024
Checked By: JCM				100% SD	Fire Alarm	
SPEC. SEC.	ITEM	DESCRIPTION	QUAN.	UNIT	MATERIALS & LABOR	TOTAL
		Mobilization	1	LS	$50,000.00	$50,000
		Fire Alarm Plan Review and Permit	1	LS	$34,942.18	$34,942
		NICET Drawings	1	LS	$30,000.00	$30,000
		Fire Alarm				
		Fire Alarm Control Panel	1	EA	$25,000.00	$25,000
		Alarm Monitoring	1	EA	$1,000.00	$1,000
		Annunciator	1	EA	$2,000.00	$2,000
		Amplifier	1	EA	$3,000.00	$3,000
		Notification Panel	3	EA	$2,000.00	$6,000
		Pull Station	45	EA	$300.00	$13,500
		Module/Relay Device	16	EA	$350.00	$5,600
		Smoke or Heat Detector	700	EA	$200.00	$140,000
		Speaker Strobe	261	EA	$350.00	$91,350
		Strobe	84	EA	$200.00	$16,800
		Fire Alarm Notification Wire	600	LF	$2.25	$1,350
		3/4" Conduit	600	LF	$5.25	$3,150
		Commissioning	1	LS	$20,000.00	$20,000
					Subtotal:	**$443,692**
				OH+P	**20%**	**$88,738**
					Total	**$532,431**

STATE OF WASHINGTON
AGENCY / INSTITUTION PROJECT COST SUMMARY

Updated June 2024

Agency	Dept. of Ecology
Project Name	Lacey Building Fire Alarm System Replacement
OFM Project Number	

Contact Information	
Name	James Pendowski
Phone Number	360-250-0471
Email	jpen461@ecy.wa.gov

Statistics			
Gross Square Feet	0	MACC per Gross Square Foot	
Usable Square Feet	NA	Escalated MACC per Gross Square Foot	
Alt Gross Unit of Measure	NA		
Space Efficiency		A/E Fee Class	B
Construction Type	Office buildings	A/E Fee Percentage	15.79%
Remodel	Yes	Projected Life of Asset (Years)	25
Additional Project Details			
Procurement Approach	GCCM	Art Requirement Applies	No
Inflation Rate	3.33%	Higher Ed Institution	No
Sales Tax Rate %	9.70%	Location Used for Tax Rate	Lacey
Contingency Rate	10%		
Base Month (Estimate Date)	August-24	OFM UFI# (from FPMT, if available)	05064, A09775, A00285
Project Administered By	Agency		

Schedule			
Predesign Start	July-25	Predesign End	July-25
Design Start	August-25	Design End	August-25
Construction Start	September-25	Construction End	February-26
Construction Duration	6 Months		

Green cells must be filled in by user

Project Cost Summary

Total Project	$1,093,038	Total Project Escalated	$1,137,845
		Rounded Escalated Total	$1,138,000

Amount funded in Prior Biennia	**$0**
Amount in current Biennium	**$0**
Next Biennium	**$0**
Out Years	**$1,138,000**

Acquisition			
Acquisition Subtotal	**$0**	**Acquisition Subtotal Escalated**	**$0**

Consultant Services			
Predesign Services	$0		
Design Phase Services	$90,380		
Extra Services	$0		
Other Services	$40,605		
Design Services Contingency	$13,099		
Consultant Services Subtotal	**$144,084**	**Consultant Services Subtotal Escalated**	**$149,222**

Construction			
Maximum Allowable Construction Cost (MACC)	$754,131	Maximum Allowable Construction Cost (MACC) Escalated	$785,654
GCCM Risk Contingencies	$0		$0
GCCM Management	$0		$0
Owner Construction Contingency	$75,413		$78,566
Non-Taxable Items	$0		$0
Sales Tax	$80,466	Sales Tax Escalated	$83,829
Construction Subtotal	**$910,010**	**Construction Subtotal Escalated**	**$948,049**

Equipment			
Equipment	$0		
Sales Tax	$0		
Non-Taxable Items	$0		
Equipment Subtotal	**$0**	**Equipment Subtotal Escalated**	**$0**

Artwork			
Artwork Subtotal	**$0**	**Artwork Subtotal Escalated**	**$0**

Agency Project Administration			
Agency Project Administration Subtotal	$38,945		
DES Additional Services Subtotal	$0		
Other Project Admin Costs	$0		
Project Administration Subtotal	**$38,945**	**Project Administration Subtotal Escalated**	**$40,574**

Other Costs			
Other Costs Subtotal	**$0**	**Other Costs Subtotal Escalated**	**$0**

Project Cost Estimate			
Total Project	**$1,093,038**	Total Project Escalated	**$1,137,845**
		Rounded Escalated Total	**$1,138,000**

Appendix 5

2025-27 IT ADDENDUM

Only use this addendum if your decision package includes IT costs

Part 1: Itemized IT costs

Complete the 2025-27 IT Fiscal Estimate Workbook imbedded below. This workbook will identify the IT portion of the decision package.

In the workbook, agencies must itemize all IT-related costs, including hardware, software, services (including cloud-based services), contracts (including professional services, quality assurance, and independent verification and validation), or IT staff as required in ESSB 5693 Sec. 150(4)(a)(i-ix).



2025-27PrioritizationWorksheetIT.xlsx

Part 2: Questions about facial recognition and supporting the reuse of existing state resources

A. Will this investment renew or procure a facial recognition service? ☐Yes ☒ No

B. Does this investment provide for acquisition of, or enhancement to, an administrative or financial system as required by technology policy 122 - administrative and financial system investment approval ? ☐Yes ☒ No

C. If **Yes** to question B, has this decision package obtained OCIO and OFM Administrative and Financial System review approval? ☐Yes ☒ No

- If **Yes**, attach the approval letter.
- If **No**, the decision package should not be submitted. Recommendation will be "Do Not Fund."

D. For DCYF, DOH, DSHS, HCA and the Washington Health Benefit Exchange only: Has this project been screened for inclusion in the HHS Coalition portfolio? ☐Yes ☐ No

E. Does this decision package support the adoption of modern, cloud-based technologies? ☒ Yes ☐ No

Part 3: Maintenance level decision packages

The questions in Part 3 are for **Maintenance level** decision packages and need to be answered. (If this is a policy-level decision package, skip Part 3 questions and respond to all questions in Part 4 and Part 5.)

A. Is this renewal for an existing software or subscription? ☐Yes ☒ No

B. Does this continue a current maintenance contract? ☐Yes ☒ No

C. Does this decision package fund the acquisition or expansion of hardware capacity? ☐Yes ☒ No

If **Yes**, where is the hardware solution hosted?
- ☐ State Data Center.
- ☐ External Cloud.
- ☐ Other location.

D. Is this a routine, planned replacement of aging hardware or equipment? ☒Yes ☐ No

If **Yes**, where will the hardware solution be hosted?
- ☐ State Data Center.
- ☐ External Cloud.
- ☒ Other location.

E. Has the agency performed research to determine if a modern cloud solution is available for this maintenance investment? ☒Yes ☐ No

Part 4: Policy level decision packages

The questions in Part 4 are general questions for **policy-level** decision packages.

A. Type of Investment - Identify the decision package investment classification from the following list:

- ☐ Addresses technical debt.
- ☒ Cloud advancement.
- ☐ Continues existing project.
- ☒ Critical hardware upgrade.
- ☒ Improves existing service.
- ☒ Introduces new capabilities.
- ☒ System modernization.

B. Does this decision package fund the acquisition, development, enhancement, or replacement of a new or existing software solution? ☒Yes ☐ No

If **Yes**, where will the software solution be hosted?
- ☐ State Data Center
- ☒ External Cloud
- ☐ Other location.

C. Do you expect this solution to exchange information with the state financial system (AFRS) or the OneWA solution (WorkDay)? ☐Yes ☒ No

D. Does this decision package fund the acquisition or expansion of hardware capacity? ☐Yes ☒ No

If **Yes**, where will the hardware solution be hosted? ☐ State Data Center
☐ External Cloud
☐ Other location.

E. Does this decision package fund the continuation of a project that is, or will be, under OCIO oversight? (See Technology policy 121.) ☐Yes ☒ No

If Yes, name the project:

_____

(Project name published on the IT Dashboard)

Part 5: IT investment prioritization and scoring questions

All policy level decision packages must provide a response to the following questions. Responses will be evaluated and ranked by the OCIO as required by RCW 43.88.092. The criteria scoring scale being used by the OCIO to evaluate and rank decision packages is available on the OCIO Decision Package Prioritization website. See 23-25 Decision Package Prioritization Criteria.

Agency Readiness

Due diligence. Summarize the research, feasibility or due diligence work completed to support this decision package. Attach a copy of the feasibility study or other documentation of due diligence to the decision package.

The fire alarm detection and annunciation system is a critical life/safety system. The system not only detects fires and automatically alerts staff and first responders, the system also allows us to alert staff and the public who are in the building to threats of all kinds, including active shooter threats. The current system is original to the building and is 10 years past the end of its service life. Replacement parts are difficult to find and in some cases are being procured used. The interface is cumbersome and does not have safety features found in a modern system, such as a full suite of automated emergency responses. I.e. Automatically using different lighting, sirens, and audio appropriate to the threat.

In the 2023-25 biennium, Ecology contracted with an engineering firm that specializes in fire alarm systems to analyze the building's needs. They provided a recommendation, design documents, and have completed a budget for this project. This request would fund their recommendation and allow Ecology to contract with a construction firm to replace the system.

Governance and management. What governance processes will support this project? Examples of governance processes include appropriately placed executive sponsor, representative steering committee, resourced vendor/contract management, change control, and incorporating stakeholder feedback into decision making processes. Provide examples of how your proposed budget includes adequate funding and planning for governance processes, if applicable.

This project will be managed by Ecology's Facility Operations and Services Section, who's staff has more than 50 years of combined experience completing facility projects like this. The bulk of this project is focused on the replacement of the wires, speakers, and fire detection components used by the fire alarm detection and annunciation system. The new digital interface will be installed by a contractor with assistance from ecology's Information Technology Services Office (ITSO). This project will be overseen by the Administrative Services Director.

Planning and readiness. Describe how your agency will resource the implementation of this investment request. Will in-house resources be used, or will resources be acquired? How has organizational change management been factored into planning and approach? Does the investment require a project management approach to be used? Describe whether project and organizational change management resources are included in this request or will be provided by in-kind resources. Describe whether the proposed budget includes costs associated with independent quality assurance.

Ecology is requesting Capital funds from the legislature for this project. Ongoing funds will be funded internally via Ecology's Cost Allocation process. In addition, Ecology used Cost Allocation funding to conduct a pre-design study in the 2023-25 biennium.

Ecology's Facility Operations and Services section will staff the project.

Technical alignment

Strategic and technical alignment. Using specific examples, describe how this investment aligns with strategic and technical elements of the Enterprise Technology Strategic Plan. Examples of strategic principles that tie back to tenets of the strategic plan include, but are not limited to, advance digital government, support use of common and shared technologies across agencies, improve the Washington customer experience across digital channels, strengthen privacy capacity in state and local government. Examples of technical principles that tie back to tenets of the strategic plan include but are not limited to; adoption of modern cloud-hosted technologies, provide proactive cybersecurity capabilities, reduce technical debt, expand integration between systems.

This project is primarily a facilities project but will be moving the fire alarm detection and annunciation interface from an analog interface to a digital cloud-based platform. The system will be procured using DES statewide contracts. This will be a cloud-based system and will meet strategic and technical goals.

Reuse and interoperability. Does the proposed solution support interoperability and/or interfaces of existing systems within the state? Does this proposal reuse an existing solution or existing components of a solution already in use elsewhere in the state? If the solution is a new proposal, will it allow for such principles in the future? Provide specific examples.

Ecology will be procuring a fire alarm detection and annunciation digital interface from the DES statewide contract. The contractors specialize in this type of system and these systems are used in every state-owned building

Business alignment

Business driven technology. What are the business problems to be addressed by the proposed investment? These business problems should provide the basis for the outcome discussion below.

Describe how end users (internal and external) will be involved in governance and implementation activities.

This system is required by local and state law and the current system is 10 years past its expected service life.

Measurable business outcome. Describe and quantify the specific performance outcomes you expect from this funding request. Provide specific examples of business outcomes in use within your agency, and how those outcomes will be improved because of this technology investment. Does the response align with the measurable business outcomes identified in the Strategic and Performance Outcomes in Chapter 2 of the 2023-25 budget instructions? What outcomes and results, either positive or negative will occur? Identify all Lean initiatives and their expected outcomes. Include incremental performance metrics.

The fire alarm detection and annunciation system would be replaced and modernized. The new system would have an anticipated 20-year life expectancy and include modern features that increase the safety of our staff and the public when they are in the building.

Decision package urgency
During the evaluation and ranking process, the OCIO will take into consideration, the urgency of the decision package request. Describe the urgency of implementing the technology investment in this cycle and the impacts to business if it does not proceed as planned.

The current system is 10 years outside its service life and must be replaced. If the system fails it could put staff and the public at risk and the local fire district could close the building until the system was operational.

Agency Name	Department of Ecology
Decision Package Name	Lacey Building Fire Alarm System
Email	ksha461@ECY.WA.GOV
A. Will this investment renew or procure a facial recognition service?	No
B. Does this investment provide for acquisition of, or enhancement to, an administrative or financial system as required by technology policy EA-122 - administrative and financial system investment approval?	No
D. For the Department of Children, Youth and Families, the Department of Health, the Department of Social and Health Services, the Health Care Authority and the Washington Health Benefit Exchange only: Has this project been screened for inclusion in the Health and Human Service (HHS) Coalition portfolio?	No
E. Does this decision package support the adoption of modern, cloud-based technologies?	Yes
A. Is this renewal for an existing software or subscription?	No
B. Does this continue a current maintenance contract?	No
C. Does this decision package fund the acquisition or expansion of hardware capacity?	No
D. Is this a routine, planned replacement of aging hardware or equipment?	Yes
If Yes, where will the hardware solution be hosted?	Other location
E. Has the agency performed research to determine if a modern cloud solution is available for this maintenance investment?	Yes

A. Type of Investment - Identify the decision package investment classification from the following list (select only one):	System modernization
B. Does this decision package fund the acquisition, development, enhancement, or replacement of a new or existing software solution?	Yes
If Yes, where will the software solution be hosted?	External Cloud
C. Do you expect this solution to exchange information with the state financial system (AFRS) or the OneWA solution (Workday)?	No
D. Does this decision package fund the acquisition or expansion of hardware capacity?	No
E. Does this decision package fund the continuation of a project that is, or will be, under WaTech oversight? (See Technology policy PM-01 - IT Investments - Approval and Oversight Policy.)	No
Due diligence: Summarize the research, feasibility or due diligence work completed to support this decision package. Attach a copy of the feasibility study or other documentation of due diligence to the decision package.	The fire alarm detection and annunciation system is a critical life/safety system. The system not only detects fires and automatically alerts staff and first responders, the system also allows us to alert staff and the public who are in the building to threats of all kinds, including active shooter threats. The current system is original to the building and is 10 years past the end of its service life. Replacement parts are difficult to find and in some cases are being procured used. The interface is cumbersome and does not have safety features found in a modern system, such as a full suite of automated emergency responses. I.e. Automatically using different lighting, sirens, and audio appropriate to the threat. In the 2023-25 biennium, Ecology contracted with an engineering firm that specializes in fire alarm systems to analyze the building's needs. They provided a recommendation, design documents, and have completed a budget for this project. This request would fund their recommendation and allow Ecology to contract with a construction firm to replace the system.

Governance and management: What governance processes will support this project? Examples of governance processes include: appropriately placed executive sponsor, representative steering committee, resourced vendor/contract management, change control, and incorporating stakeholder feedback into decision making processes. Provide examples of how your proposed budget includes adequate funding and planning for governance processes, if applicable.	This project will be managed by Ecology's Facility Operations and Services Section, who's staff has more than 50 years of combined experience completing facility projects like this. The bulk of this project is focused on the replacement of the wires, speakers, and fire detection components used by the fire alarm detection and annunciation system. The new digital interface will be installed by a contractor with assistance from ecology's Information Technology Services Office (ITSO). This project will be overseen by the Administrative Services Director.
Planning and readiness: Describe how your agency will resource the implementation of this investment request. Will in-house resources be used, or will resources be acquired? How has organizational change management been factored into planning and approach? Does the investment require a project management approach to be used? Describe whether project and organizational change management resources are included in this request or will be provided by in-kind resources. Describe whether the proposed budget includes costs associated with independent quality assurance.	Ecology is requesting Capital funds from the legislature for this project. Ongoing funds will be funded internally via Ecology's Cost Allocation process. In addition, Ecology used Cost Allocation funding to conduct a pre-design study in the 2023-25 biennium. Ecology's Facility Operations and Services section will staff the project.

Strategic alignment: Using specific examples, describe how this investment aligns with strategic and technical elements of the Enterprise IT Strategic Plan. Examples of strategic principles that tie back to tenets of the strategic plan include, but are not limited to: initiatives focused on improving government experiences and emphasizing service delivery, improving equitable outcomes across communities through technology, improving service delivery through data and insights, using data and insights to drive strategic decisions, deploying solutions emphasizing access, technology, or innovation to solve business problems, and advancing skillsets to instill an innovation culture. Decision packages should include references to the Pillars (Digital Trust, Shared Governance, Equitable Outcomes, Service Excellence) and Values (Human-centered, Inclusive ideas, Courageous innovation, Accessibility, Nimble, Community + connectivity) of the strategic plan.	This project is primarily a facilities project but will be moving the fire alarm detection and annunciation interface from an analog interface to a digital cloud-based platform. The system will be procured using DES statewide contracts. This will be a cloud-based system and will meet strategic and technical goals.
Reuse and interoperability: Does the proposed solution support interoperability and/or interfaces of existing systems within the state? Does this proposal reuse an existing solution or existing components of a solution already in use elsewhere in the state, including an evaluation of services provided by WaTech? If the solution is a new proposal, will it allow for such principles in the future? Provide specific examples.	Ecology will be procuring a fire alarm detection and annunciation digital interface from the DES statewide contract. The contractors specialize in this type of system and these systems are used in every state-owned building.
Business driven technology: What are the business problems to be addressed by the proposed investment? These business problems should provide the basis for the outcome discussion below. Describe how end users (internal and external) will be involved in governance and implementation activities.	This system is required by local and state law and the current system is 10 years past its expected service life.

Measurable business outcome: Describe and quantify the specific performance outcomes you expect from this funding request. Provide specific examples of business outcomes in use within your agency, and how those outcomes will be improved as a result of this technology investment. What outcomes and results, either positive or negative will occur? Identify all Lean initiatives and their expected outcomes. Include incremental performance metrics.	The fire alarm detection and annunciation system would be replaced and modernized. The new system would have an anticipated 20-year life expectancy and include modern features that increase the safety of our staff and the public when they are in the building.

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461 - Department of Ecology
Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/1/2024 12:11PM

Project Number: **40000717**
Project Title: **Eastern Regional Office HVAC Boiler and Condenser Replacement**

Description

Starting Fiscal Year: 2026
Project Class: Preservation
Agency Priority: 24

Project Summary

Major components of Ecology's Heating, Venting, and Air Conditioning System in our Eastern Regional Office are at the end of their service life and need to be replaced. These systems and their components have a 15–20-year service life. Ecology replaced the boiler in 2001 and the condensers in 2006. Any failure of these key items will result in the Eastern Region Office being unusable because the building would not be heated or cooled. Replacing these components will also reduce our greenhouse gas emissions because modern systems are more efficient and use less energy. (State Building Construction Account)

Project Description

What is the proposed project?

Ecology is requesting $800,000 to replace or upgrade the Heating, Venting, and Air Conditioning (HVAC) rooftop condensing units and the boiler at Ecology's Eastern Region Office (ERO). Both are at the end of their service life. Replacing these systems will ensure continual operations of our ERO and reduce greenhouse gas (GHG) emissions. The ERO is a 42,000 square-foot. facility owned by Ecology. It is a three-story building, built in the mid-1970s, and 162 Ecology staff use this facility as their duty station.

Current HVAC system:

Heating System: This is a single, 80%-efficient, gas-fired boiler with open combustion. Heated water is distributed into the system to fin tube radiators on the perimeter of the building and hydronic reheat terminal units. The boiler was installed in 2001, with an American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) life expectancy of 15-20 years, so it is now at the end of its expected life.

Cooling System: These are two 64-ton air-cooled condensing units mounted on the roof that serve a central variable air volume air handling system. The condensing units were installed in 2006 with an ASHRAE life expectancy of 15-20 years, so they are now at the end of their expected life.

Future HVAC System:

In 2023, Ecology contracted with an engineering firm to conduct a carbon reduction study of ERO's mechanical systems. This study recommended replacing these systems with more efficient systems that would reduce our GHG emissions. The study noted that, in addition to these systems being at the end of their service life, replacing them was one of the most cost-effective ways for Ecology to reduce its GHG emissions at the ERO. The study indicated that replacing these systems would reduce Ecology's GHG emissions by between 11 and 22 metric tons. ERO's total GHG emissions from June 2022 through May 2023 were 135 metric tons. Installing these upgraded systems will lead to an 8-16% reduction in overall GHG emissions at this facility.

Heating System: Ecology intends to install a high-efficiency condensing boiler. This system will be retrofitted into the same location as the current boiler and function similarly to the current system.

Cooling System: Ecology intends to replace the current air-cooled condensing units with heat pumps. Heat pumps are the most efficient, modern systems to cool large spaces because they remove heat from within the building and transfer it outside. These systems can also be used to help heat the building during the winter months, which will reduce the size of the boiler Ecology will install.

Ecology will work with an HVAC engineering firm to design and specify the replacement components for the roof top condensers, main boiler, burners, and overall HVAC system. We will also secure a qualified vendor to provide and install

Description

specified equipment and provide testing, commissioning, and training for the new equipment and user interface. Costs were generated based on the information in the carbon reduction study (attached), staff expertise, and HVAC and boiler work completed in 2015 and 2024.

What opportunity or problem is driving this request?
These systems are critical to the building and are single points of failure. If these systems fail, the building would be unusable because we would not be able to heat or cool the building until the systems were fixed or replaced.

What are the specific benefits of this project?
The key benefit is Ecology will have an HVAC system with new, more efficient components with a new life expectancy of up to 20 years.

This request will also reduce our current maintenance costs of the system and reduce utility bills and GHG emissions for the ERO.

Ecology expects this project will begin in the first quarter of the 2025-27 biennium and be completed by the end of the biennium.

This request will also provide economic benefits to the state by creating up to eight jobs per year during the next four years, based on Office of Financial Management estimates.

What are the effects of non-funding?
This system is a critical life safety system and is required by code and enforced by the local jurisdiction. If this request is not funded, Ecology would not be able to replace the boiler, gas burner, or HVAC condensers. Not addressing these antiquated systems could result in failure of those systems and result in the ERO being left unusable until the system is fixed or replaced.

Why is this the best option or alternative?
In considering this request, Ecology looked at the following alternatives:

Do Nothing:
Currently, the HVAC system is only funded for routine maintenance. If this system isn't replaced, doing nothing may lead to a failure of one or more components of the current system. It could place Ecology at unnecessary risk of having to close one of its major regional offices. If this system failed, it would have a major impact on the agency's operating budget.

Complete System Replacement:
This option represents extremely invasive construction for installation. There would be a high initial cost without a huge amount of energy savings. It would place additional demand on the electrical service, and there is not enough ceiling space for fan coil units, so compressors would be placed over work areas.

Preferred Option:
Replace the current boiler with a new condensing boiler for backup heat. This system option will replace the existing non-condensing boiler with a new, high-efficiency condensing boiler. The existing control system will be modified to reduce the heater water supply temperature to allow the boiler to condense. The heater water supply temperature will increase

Project Number: 40000717
Project Title: Eastern Regional Office HVAC Boiler and Condenser Replacement

Description

during peak heating requirements.

Replace current rooftop condensing units with new four-pipe heat pump chillers.

How will clients be affected and services change if this project is funded?
Ecology's offices are key to supporting local communities. These offices and the services they offer are critical to environmental justice and equity work within the state. It is important we maintain our facilities for both our staff and the communities we serve.

What is the agency's proposed funding strategy for the project?
Ecology is requesting State Building Construction Account funding for this work. If bond funding is not received, Ecology may look to finance this restoration work through Certificates of Participation (COP) or fund out of our base operating budget, but that would be at the expense of dedicated funding for core environmental and public health work done by the agency.

Are FTEs required to support this project?
None

How does the project support the agency and statewide results?
This request is essential to achieving the Governor's Results Washington Goal 3: Sustainable Energy and a Clean Environment and Ecology's Goal 2: Reduce and prepare for climate impacts because it will reduce Ecology's GHG emissions.

This request is essential to achieving the Governor's Results Washington Goal 5: Efficient, Effective, and Accountable Government because it will ensure the state's assets are well maintained and Ecology's ERO is available to the agency's staff and the public.

How will the other state programs or units of government be affected if this project is funded?
Ecology works with all levels of governments, and our regional offices are essential to maintaining good relationships. This request will ensure that the ERO stays open and accessible.

Location
City: Spokane **County:** Spokane **Legislative District:** 003

Project Type
Facility Preservation (Minor Works)

Growth Management impacts
N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	New Approps

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

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Project Title: Eastern Regional Office HVAC Boiler and Condenser Replacement

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	800,000				800,000
	Total	**800,000**	**0**	**0**	**0**	**800,000**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

DEPARTMENT OF ECOLOGY
EASTERN REGIONAL OFFICE
MECHANICAL STUDY

DATE March 15, 2023

PROJECT Building Services Study – Mechanical
Eastern Regional Office
4601 N Monroe St
Spokane, WA 99205

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SECTION 1

Executive Summary

Existing mechanical equipment is aging and failing and will need to be replaced.

This study aimed to analyze several options for mechanical equipment replacement of the existing heating water, cooling, and domestic hot water systems in the Department of Ecology's Eastern Regional Office. The study considers the pros and cons of these options, including 1) disruption to the tenants, 2) energy efficiency/carbon footprint, 3) installed cost, and 4) ability to comply with upcoming codes and existing mandates.

Multiple concepts were considered and evaluated. Viable concepts were developed into the options presented herein.

SECTION 2

Introduction

MW was contacted by Dept. of Enterprise Services (DES) regarding options for replacing the existing mechanical systems at the existing Ecology Building located at 4601 N Wall St, Spokane WA 99205. MW met with DES and Ecology Dept. facilities personnel onsite to discuss the existing mechanical equipment and review their concerns and desired outcomes. The Governor's Executive Order #20-01 mandates high performance buildings for reduction of greenhouse gases, reduction of pollutants from fossil fuels, and the use of clean energy when technically feasible and the Greenhouse Gas Emissions Policy requires all state agencies to reduce greenhouse gas emissions. Based on discussions during the meeting, it was determined that MW would perform a study to document the existing mechanical equipment, evaluate the current operating conditions, and provide options for replacing the mechanical systems in order to shift towards an all-electric building and reduce the carbon footprint to follow the intent of the Governor's mandate and the Greenhouse Gas Emissions Policy.

MW reviewed existing Record Drawings depicting the mechanical systems. MW then visited the facility on multiple occasions and documented the current conditions for this report.

Refer to **Section 3** for a detailed discussion of the existing conditions.

Refer to **Section 4** for energy use analysis.

Refer to **Section 5** for proposed options for mechanical system replacements and upgrades, technical documentation, and associated costs.

Refer to **Section 6** for a discussion of recommendations for mechanical system upgrades.

SECTION 3

Findings

Existing Conditions

The existing Ecology Building was constructed in the mid-1970's.

Heating System: A single 80% efficient gas fired boiler with open combustion. Heating water is distributed out into the system at 200°F to fin tube radiators on the perimeter of the building and hydronic reheat terminal units. Terminal units have been replaced with digital actuators and appear in good condition. The boiler was installed around 2001 with an ASHRAE life expectancy of 25 years, placing it near the end of its expected life. The fin tube radiators and heating water distribution piping appear to be in good condition.

Cooling System: Two 64 ton air cooled condensing units mounted on the roof serve a central variable air volume air handling system. The condensing units were installed around 2006 with an ASHRAE life expectancy of 20 years, placing them near the end of their expected life.
Domestic Hot Water: One 130 MBH gas fired water heater. The water heater was installed around 2009 with an ASHRAE life expectancy of 15 years, placing it at the end of its expected life.

Air Distribution: A central 30,000-35,000 CFM air handling unit in the basement mechanical room is ducted to single duct terminal units for zone-level control of air volumes. The air handling unit has DX cooling, hot water heating, full airside economizer, and demand controlled ventilation. The air handling unit has been upgraded with variable frequency drives for improved energy efficiency. Ventilation air has Merv-8 pre filters and Merv-13 final filters.

Controls: The building was upgraded to DDC controls around 25 years ago and was fully commissioned in 2011. Controls consist of supply temperature reset, demand controlled ventilation, and occupancy sensors throughout the building. Controls appear to be functioning appropriately.

SECTION 4

Analysis

Energy Modeling

A full energy analysis was conducted of the existing eastern regional office and does not include the new parking facility. The model was calibrated based on multiple site visits and examination of the current DDC Controls.

The goal for this carbon emission reduction analysis is to identify several paths or scenarios that will reduce carbon emissions associated with building energy performance. Translating energy used in a building to carbon dioxide (CO2) emissions at the energy source requires some reasonable assumptions to be made. The following assumptions have been used in the carbon calculations performed in developing this document:

> Electricity: The emissions factor used for 2020 for Avista Utilities is 0.252 Metric Tons of CO2 equivalent (MTe) per Megawatt hour (MWh) of electricity. This translates to 0.556 pounds (lbs) of CO2 per kWh used on site. This value is based on the Edison Electric Institute Electric Company ESG/Sustainability Quantitative Information Study done on 03/30/2022.
>
> Natural gas: The emissions factor for natural gas used is 11.7 lbs CO2 per Therm. This is the generally accepted emissions factor for one Therm (100,000 Btu) of natural gas combusted on site.

The model was calibrated to the average energy use of the building from the last three years of data. The energy use split of the building is 40.2% (electricity) and 59.8% (natural gas.) The baseline energy model results are generated by running the calibrated model with average Spokane weather represented by the Spokane International Airport TMY3 weather file.

The measures studied are broken up into two categories, partial occupancy (PO) measures and full occupancy (FO) measures. The PO measures are measures that can be implemented in the building in its current operating conditions. These measures include low-cost/no-cost measures that can be implemented without a capital budget request. These measures will be run against the calibrated model in its current operation. The FO measures will be a mix of low-cost and capital measures that will be modeled based on a fully occupied building.

The measures for each category are listed below with a more detailed explanation in the energy efficiency measure sections of the report. Detailed accounting of savings are shown in attached Energy Modeling Report under Exhibit A.

Partial Occupancy Individual Measures

- PO-EEM-1 – Enable occupancy-based HVAC controls
- PO-EEM-2 – Consolidation of employees to 2nd floor
- PO-EEM-3 – Optimize economizer setpoint
- PO-EEM-4 – Optimize space temperature setpoints.

Partial Occupancy Package Measures

- PO-PKG-1 – Package of PO-EEM-1, PO-EEM-3, and PO-EEM-4
- PO-PKG-1 – Package of PO-EEM-2, PO-EEM-3, and PO-EEM-4

Full Occupancy Individual Measures

- FO-EEM-1 – Optimize economizer setpoint
- FO-EEM-2 – Optimize space temperature setpoints
- FO-EEM-3 – Replace existing boiler with high efficiency natural gas condensing boiler
- FO-EEM-4 – Replace existing DHW water heater with high efficiency natural gas condensing water heater
- FO-EEM-5 – Replace existing DHW heater with high efficiency CO2 heat pump water heater
- FO-EEM-6 – Replace existing HVAC system with variable refrigerant flow (VRF) heat pump system
- FO-EEM-7 – Replace existing boiler with air-to-water heat pump with high efficiency natural gas condensing boiler backup
- FO-EEM-8 – Replace existing boiler with water-to-water heat pump tied into a ground loop heat rejection system.

Full Occupancy Package Measures

- FO-PKG-1 – Replace Water heater and Boiler with gas fired equipment (FO-EEM-1, FO-EEM-2, FO-EEM-3, and PO-EEM-4)
- FO-PKG-2 – Replace HVAC system with VRF and water heater with heat pump (FO-EEM-2, FO-EEM-5, and FO-EEM-6)
- FO-PKG-3 – Air cooled heat pump (FO-EEM-1, FO-EEM-2, FO-EEM-4, and PO-EEM-7)
- FO-PKG-4 – Geothermal (FO-EEM-1, FO-EEM-2, FO-EEM-4, and PO-EEM-8)

SECTION 5

Mechanical Options

Overview

To develop multiple viable option for the proposed replacement of the existing equipment, numerous concepts were considered and evaluated based upon the following criteria: 1) carbon reduction, 2) physical dimensions compatible with space constraints, and 3) cost effectiveness. The following concepts did not satisfy all three criteria and were rejected:

Rejected Systems

Boiler replacement:

- Electric resistance: Not code compliant.
- Like for Like: Code compliant until June 2023. Would not make sense from an energy standpoint since a condensing boiler has a comparative install cost to a non-condensing boiler.

Water heater replacement:

- Electric resistance: Feasible and code compliant until June 2023. Would increase energy costs but it would reduce the natural gas usage.

Air conditioning replacement:

- Like for Like: Feasible and code compliant. Condensing units appear to be in good working condition and do not need to be replaced at this time. This option was not explored as it does not reduce energy or carbon emissions.
- Air cooled hydronic chillers: Adds significant cost and maintenance with little to no energy savings.

System replacement:

- Chilled beams: Extremely invasive construction for installation. Higher first cost without a ton of energy savings.
- Water source heat pumps: Additional demand on the electrical service. Not enough ceiling space for fan coil units and would place compressors over work areas

Studied Systems

Replace boiler and water heater

Replace the existing boiler with a new condensing boiler. This system option would remove the existing non-condensing boiler with a new high-efficient condensing boiler. The existing control system would be modified to reduce the heating water supply temperature to allow the boiler to condense. The heater water supply temperature would increase during peak heating requirements. New combustion air intake piping would be routed from the roof down to the mechanical room basement, and the mechanical room louvers would remain shut.

Replace the existing gas-fired water heater with new high-efficiency condensing gas fired water heater.

Disconnect existing electrical supplies to natural gas boiler and water heater and make new connections to new boiler and water heater.

Disruptions to tenants: Short downtime of heating water and domestic hot water. Boiler replacement done in summer, but spaces might be over cooled.

Replace condensing units, boilers, and water heater with Air-Sourced Heat Pumps

Replace existing rooftop condensing units with new four pipe heat pump chillers. The VAV terminal units would be replaced and sized for 120°F EWT. The Air Handling Unit heating and cooling coils would be replaced and sized for 120°F EWT and 50°F EWT, respectively.

Replace water heater with CO2 water heater. CO2 condensing unit to be placed on grade or on the roof.

Replace the existing boiler with a new condensing boiler for backup heat. This system option would remove the existing non-condensing boiler with a new high-efficiency condensing boiler.

Disconnect existing electrical supplies to natural gas boiler and water heater and make new connections to four-pipe heat pump chillers, and condensing water heater.

Disruptions to tenants: Downtime of air conditioning. Terminal unit coils will be replaced throughout the entire building requiring partial ceiling grid removal. Short downtime of domestic hot water. Boiler can remain operational while heat pumps are being installed.

Replace mechanical system with geothermal

Geothermal wells are planned to pull heat from the Spokane Rathdrum prairie aquifer which is reported to be a steady 54 °F. Water will be pumped to a heat exchanger located in the building and then reinjected back into the aquifer. The well design and permitting will require a collaborative effort between the project mechanical engineer, civil engineer, and geotechnical engineer. At this very preliminary stage, 250-300gpm of peak water use is anticipated. Due to

flow rates and partial redundancy, multiple outtake and intake wells are anticipated which will inherently provide some level of redundancy should one well be out of service. A 6" supply and return are anticipated for the building service.

From the heat exchanger, the building will have a closed loop hydronic condenser piping system that is conditioned to 58°F from the aquifer. The system will have dual pumps for redundancy and a storage buffer tank to store thermal energy. This loop will be piped directly to cooling coils for cooling without refrigeration. The condenser loop will additionally circulate to a heat pump which will extract heat from the loop to generate 120-degree heating water in a dedicated hydronic heating system for the building heat with two pumps for redundancy. The heat pump is anticipated to be in the range of 100 tons. A back up boiler will be provided as allowed by the energy code.

The cooling coil and heating coil would be replaced in the AHU. The terminal units would be replaced and sized for 120°F water.

Water heating will be provided from heat pump water heaters and circulated throughout the building. The heat pump water heaters will extract heat from the condenser loop.

The water-source heat pump will be located within a penthouse on the roof.

Replace natural gas-fired water heater with CO2 heat pump water heater.

*The feasibility of the site wells have not been determined and further geotechnical evaluations need to occur.

Disconnect existing electrical supplies to natural gas boiler and water heater and make new connections to geothermal well pumps, electric backup boiler, hydronic water circulation pumps, and heat pump water heaters.

Disruptions to tenants: Loss of parking for site work. Downtime of air conditioning throughout construction. Terminal unit coils will be replaced throughout the entire building requiring partial ceiling grid removal. Short downtime of domestic hot water. Boiler can remain operational while heat pumps are being installed and be replaced after installation.

Replace mechanical system with VRF

Offices and general occupied spaces will utilize a variable refrigerant flow (VRF) system.

The variable refrigerant flow system will consist of a combination of ducted fan coil units located above the ceiling throughout the building and ceiling mounted cassettes. Each fan coil unit will have a fan, MERV 8 filter and a refrigerant coil that is capable of heating or cooling. The various fan coils will be connected via refrigerant piping to an air-cooled condensing /heat pump unit(s) located on the roof.

The existing VAV terminal units and associated piping would be demolished and replaced with fan coil units. Supply ductwork and diffusers would be reused where possible.

In addition, the existing air handling unit will be replaced with a Dedicated Outdoor Air System (DOAS). This system consists of a central 100% outside air supply fan / 100% exhaust air exhaust fan with heat recovery. This unit will contain MERV 8 pre-filters and MERV 13 final filter for the outside air stream.

Replace natural gas-fired water heater with CO2 heat pump water heater.

Disconnect existing electrical supplies to natural gas boiler and water heater, air-cooled condensing units, and air-handling unit and make new connections to air-cooled condensing unit, dedicated outside air system exhaust and ventilation fans, and VRF fan coils.

Disruptions to tenants: Downtime of air conditioning during construction. Significant duct modifications, electrical modifications and refrigerant piping throughout the building require the ceiling grid to be removed. Short downtime of domestic hot water. Boiler can remain operational while heat pumps are being installed and be replaced after installation.

SECTION 6

Recommendations and Replacement Costs

It is highly recommended that economizer setpoints, space temperature setpoints, and occupancy-based controls be adjusted to reduce energy use and carbon emissions, whether part of the mechanical equipment replacement or as a separate measure. Consolidating employees is not recommended as it is not feasible for the usage of the building.

Alternatively, depending on the department's future return to work status, vacating the second floor and moving all employees to the first floor and basement could save 18 metric tons of CO2 annually.

OPTION	COST	COST SAVINGS	CARBON REDUCTION (METRIC TONS)	COST PER TON OF CARBON	INVASIVENESS
Condensing Natural Gas Boiler and Water Heater	$286,774	$1,411	11.0 Metric Tons	$26,070	Low
Heat Pump Water Heater	$130,955	$96	4.3 Metric Tons	$30,454	Low
Air Cooled Heat Pump	$2,216,610	-$5,280	22.8 Metric Tons	$97,219	Medium
Geothermal Heat Pump*	$3,391,882	-$863	35.9 Metric Tons	$94,481	Medium
VRF with HRU	$2,748,531	$1,863	43.3 Metric Tons	$63,476	High

SYSTEM	NOISE	DISRUPTION	VENTILATION	MAINTENANCE	COMFORT
Air Cooled Heat Pump	No Change	**Moderate** Terminal Unit coil replacements though out building requiring portions of the ceiling grid to be removed.	No Change	Minor Adds more compressors	Best
Geothermal Heat Pump*	Adds mechanical room equipment	**High** Significant site work would need to occur at each terminal unit coil	No Change	Major Adds more compressors, pumps, and wells.	Best

		replacements.			
VRF with HRU	Adds fans above occupied spaces	**High** DX piping through building requires most of the ceiling to be taken down. Duct revisions.	Dedicated Outdoor Air System Required	Moderate Replaces hydronics with refrigerant. Most service requests done through VRF manufacturer.	Good

Regarding the mechanical systems, it is recommended that the boiler be replaced with an equivalent condensing gas boiler as a minimum measure. A heat pump water heater should also be considered to reduce the quantity of natural gas used and to reduce carbon emissions.

A VRF system should be selected if reducing carbon emissions is the most important factor, but it has the highest disruption during construction.

An air sourced heat pump should be selected for minor maintenance and the least disruption, but it has the least carbon savings with a higher energy bill.

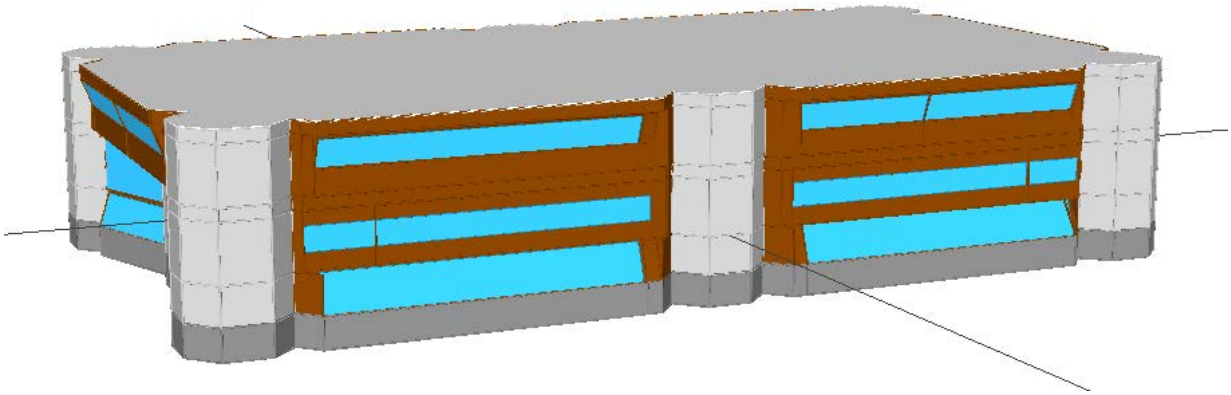
A geothermal system should be selected if using renewable energy is the most important factor, but it has the highest first cost.

Appendix

EXHIBIT A

Energy Modeling Report

Department of Ecology



Created by

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December 2, 2022

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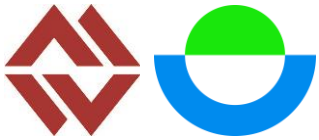
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Executive Summary

The Department of Ecology (DOE) is a 3-story office building in Spokane, Washington that is owned and occupied by the DOE. The building is a 42,610 square foot (sf) facility with the majority of the building consisting of open office spaces. The building also include private offices, conference rooms, restrooms, locker rooms, employee kitchen/lunchroom, storage, stairs and circulation areas. The majority of the building is currently occupied to approximately 20% of its full capacity with many of the DOE employees working from home. The DOE facility is currently looking for ways to reduce their carbon footprint by reducing energy use in the building. In addition to the reduction in carbon emissions, the DOE is looking to replace a natural gas boiler and domestic hot water (DHW) heater that are at the end of their useful service life.

The purpose of this study is to provide a variety of options to fix the deficiencies within the building while reducing the energy use and carbon emissions in the building. The measures are broken up into two categories, partial occupancy (PO) measures and full occupancy (FO) measures. The PO measures are measures that can be implemented in the building in its current operating conditions. These measures include low-cost/no-cost measures that can be implemented without a capital budget request. These measures will be run against the calibrated model in its current operation. The FO measures will be a mix of low-cost and capital measures that will be modeled based on a fully occupied building. The calibrated energy model will be modified to increase the occupancy and associated lighting and equipment to reflect the building at full capacity. The measures for each category are listed below with a more detailed explanation in the energy efficiency measure sections of the report. Table 1 and Table 2 show a summary of the savings associated with each individual and package measure. Detailed accounting of savings are shown in Tables 9 and 10 at the end of the report.

- Partial Occupancy Individual Measures
  - PO-EEM-1 – Enable occupancy-based HVAC controls
  - PO-EEM-2 – Consolidation of employees to 2nd floor
  - PO-EEM-3 – Optimize economizer setpoint
  - PO-EEM-4 – Optimize space temperature setpoints.
- Partial Occupancy Package Measures
  - PO-PKG-1 – Package of PO-EEM-1, PO-EEM-3, and PO-EEM-4
  - PO-PKG-1 – Package of PO-EEM-2, PO-EEM-3, and PO-EEM-4
- Full Occupancy Individual Measures
  - FO-EEM-1 – Optimize economizer setpoint
  - FO-EEM-2 – Optimize space temperature setpoints.
  - FO-EEM-3 – Replace existing boiler with high efficiency natural gas condensing boiler
  - FO-EEM-4 – Replace existing DHW water heater with high efficiency natural gas condensing water heater
  - FO-EEM-5 – Replace existing DHW heater with high efficiency CO2 heat pump water heater
  - FO-EEM-6 – Replace existing HVAC system with variable refrigerant flow (VRF) heat pump system



- FO-EEM-7 – Replace existing boiler with air-to-water heat pump with high efficiency natural gas condensing boiler backup
- FO-EEM-8 – Replace existing boiler with water-to-water heat pump tied into a ground loop heat rejection system

- Full Occupancy Package Measures
  - FO-PKG-1 – Package of FO-EEM-1, FO-EEM-2, FO-EEM-3, and PO-EEM-4
  - FO-PKG-2 – Package of FO-EEM-2, FO-EEM-5, and FO-EEM-6
  - FO-PKG-3 – Package of FO-EEM-1, FO-EEM-2, FO-EEM-4, and PO-EEM-7
  - FO-PKG-4 – Package of FO-EEM-1, FO-EEM-2, FO-EEM-4, and PO-EEM-8

Table 1. Partial Occupancy EEM Savings Summary

Run	ECM Summary	Total Cost Savings $	Electric Savings kWh	Natural Gas Savings Therms	Emissions Savings Lbs CO2e
Baseline	Partial Occupancy Baseline	N/A	N/A	N/A	N/A
PO-ECM-1	Enable Occupancy Based Controls	$485	950	558	7,059
PO-ECM-2	Consolidation of Employees	$3,557	19,538	2,453	39,559
PO-ECM-3	Optimize Economizer Setpoints	$33	356	0	198
PO-ECM-4	Optimize Space Temperature Setpoints	$944	1,470	1,136	14,113
PO-PKG-1	ECM-1, ECM-3, ECM-4	$1,290	2,152	1,535	19,153
PO-PKG-2	ECM-2, ECM-3, ECM-4	$4,304	19,861	3,462	51,549

Table 2. Full Occupancy EEM Savings Summary

Run	ECM Summary	Total Cost Savings $	Electric Savings kWh	Natural Gas Savings Therms	Emissions Savings Lbs CO2e
Baseline	Partial Occupancy Baseline	N/A	N/A	N/A	N/A
FO-ECM-1	Optimize Economizer Setpoints	$62	517	20	521
FO-ECM-2	Optimize Space Temperature Setpoints	$1,373	2,913	1,552	19,776
FO-ECM-3	Condensing Boiler	$1,261	-1,075	1,916	21,816
FO-ECM-4	Condensing DHW Heater	$150	0	211	2,464
FO-ECM-5	Heat Pump Water Heater	$96	-8,109	1,195	9,478
FO-ECM-6	VRF w/ HRV	$1,863	-66,477	11,309	95,353
FO-ECM-7	Air-to-Water Heat Pump	-$5,280	-141,183	11,019	50,430
FO-ECM-8	Ground-Loop Heat Pump	-$863	-95,829	11,309	79,033
FO-PKG-1	ECM-1, ECM-2, ECM-3, ECM-4	$2,567	2,196	3,326	40,135
FO-PKG-2	ECM-2, ECM-5, ECM-6	$2,634	-67,294	12,501	108,842
FO-PKG-3	ECM-1, ECM-2, ECM-4, ECM-7	-$3,257	-128,515	12,211	71,417
FO-PKG-4	ECM-1, ECM-2, ECM-4, ECM-8	$431	-91,018	12,501	95,651

Greenhouse Gas Emissions Factors

The goal for this carbon emission reduction analysis is to identify several paths or scenarios that will reduce carbon emissions associated with building energy performance. Translating energy used in a building to carbon dioxide(CO2) emissions at the energy source requires some reasonable assumptions to be made. The following assumptions have been used in the carbon calculations performed in developing this document:

- *Electricity:* The emissions factor used for 2020 for Avista Utilities is 0.252 Metric Tons of CO2 equivalent (MTe) per Megawatt hour (MWh) of electricity. This translates to 0.556 pounds (lbs) of CO2 per kWh used on site. This value is based on the Edison Electric Institute Electric Company ESG/Sustainability Quantitative Information Study done on 03/30/2022.
- *Natural gas:* The emissions factor for natural gas used is 11.7 lbs CO2 per therm. This is the generally accepted emissions factor for one therm (100,000 Btu) of natural gas combusted on site.

Modeled Facility Description

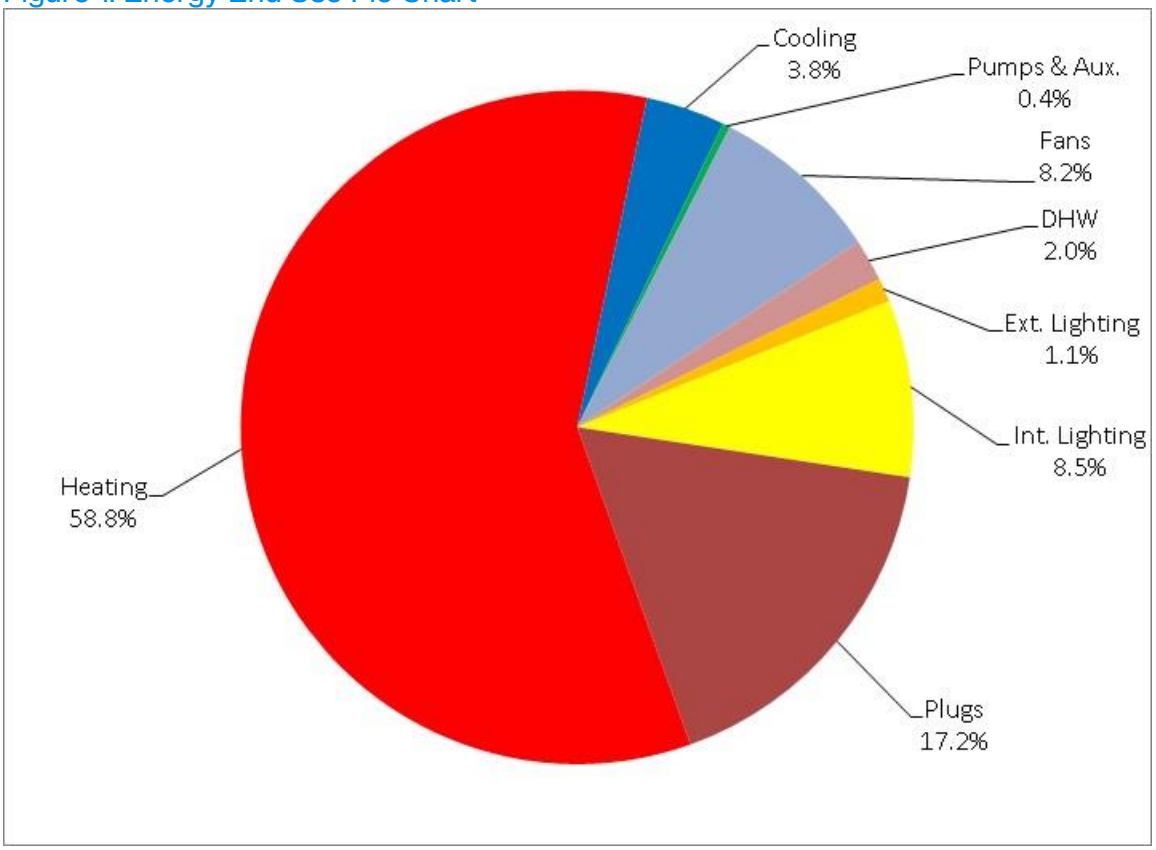
The energy model includes one building, per the direction of MW Engineers and the DOE. The second building located on site is separately metered and is not included in the scope of work. The calibrated energy model has a total area of 42,846 sf, a difference of 0.6% from the reported area of 42,610 sf.

The model was calibrated to the average energy use of the building from the last three years of data. The energy use split of the building is 40.2% (electricity) and 59.8% (natural gas.) Table 3 and Figure 1 (next page) present the energy end use allocation based on the baseline energy model. The baseline energy model results are generated by running the calibrated model with average Spokane weather represented by the Spokane International Airport TMY3 weather file.

Table 3. Energy End Use Allocation (per baseline model)

End Use	kWh	% of Electricity	Therms	% of Gas	MMBtu	% of Total
Int. Lighting	48,566	21.7%	0	0.0%	166	8.5%
Plugs	98,119	43.8%	0	0.0%	335	17.2%
Heating	0	0.0%	11,473	96.7%	1,147	58.8%
Cooling	21,785	9.7%	0	0.0%	74	3.8%
Heat Rejection	0	0.0%	0	0.0%	0	0.0%
Pumps & Aux.	2,061	0.9%	0	0.0%	7	0.4%
Fans	47,134	21.0%	0	0.0%	161	8.2%
DHW	0	0.0%	394	3.3%	39	2.0%
Specialty Loads	0	0.0%	0	0.0%	0	0.0%
Ext. Lighting	6,439	2.9%	0	0.0%	22	1.1%
Total	224,104	100.0%	11,867	100.0%	1,952	100.0%

Figure 1. Energy End Use Pie Chart



Calibration Results

The energy model has been calibrated based on:

- One site visits by MW Engineers and Solarc Energy Group (Solarc) staff
- Review of drawings, DDC graphics screens, trending, visual equipment inspection, and discussions with DOE staff.

Calibration Metrics

The energy model currently is calibrated to 0.06% on electrical use and 3.86% on natural gas use. The monthly calibration parameters are Mean Bias Error (MBE) and the Coefficient of Variation of the Root Mean Square Error (CV[RMSE]). The MBE is the average of the errors of a sample space. Positive MBE numbers represent months where the model under predicts energy usage, while negative numbers over predict energy usage. This leads to some problems with just using this metric as the cancellation errors from month-to-month lower the annual MBE. The CV[RSME] measures the variability of the errors between measures and simulated values. This calibration method is not subject to cancellation errors which is why it is paired with the MBE to verify the accuracy of the model.

The utility data used for calibration corresponds to site utility data from the previous three years of electricity and natural gas use. The calibrated energy model uses TMY3 weather data for the Spokane International Airport which is based on a 30-year average for the weather location. Because we are calibrating to an average weather data file, exact calibration is not possible. The calibration will be analyzed to match the pattern of energy use as well as a comparison of the TMY3 average monthly temperature to the average monthly temperature of the utility data. Calibration is summarized below.

- The energy model is calibrated in 10 out of 12 months for the CV[RMSE] electricity calibration and 6 out of 12 months for gas use calibration.
- The energy model is calibrated in 6 out of 12 months for the MBE calibration for electric energy and 3 out of 12 months for the MBE calibration for natural gas energy.

Table 4 shows monthly calibration for the model. Despite the lack of complete monthly statistical matching, the calibration for the model is considered satisfactorily complete for the following reasons.

- Excellent alignment and consistency between observed and documented conditions in the field and the modeling inputs.
- Excellent matching between utility data and model for annual electricity and natural gas totals.
- Lack of read dates for historical energy use which limits the ability for the energy model to provide a monthly match.
- Logical deviations from the modeled energy use to the historical energy use when comparing average monthly temperature differences.

Figure 2. Electric Energy Use Profile - Calibrated Baseline vs. Utility Data.

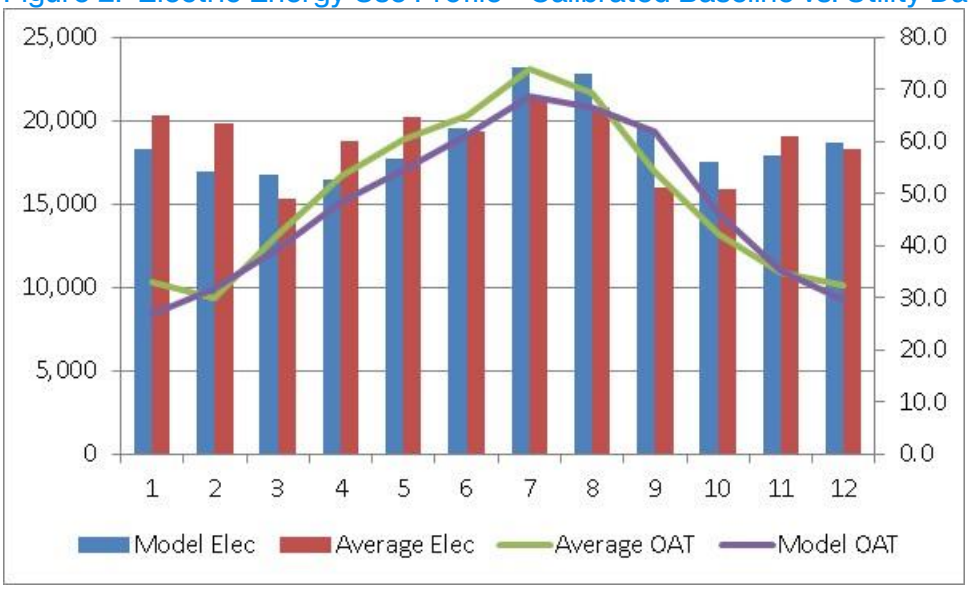


Figure 3. Natural Gas Energy Use Profile - Calibrated Baseline vs. Utility Data.

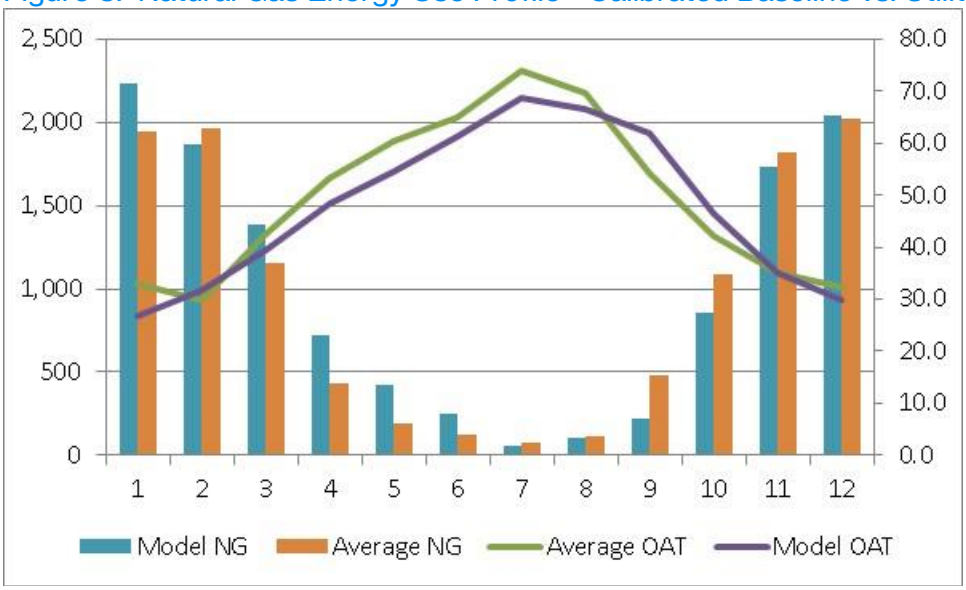


Table 4. Monthly Baseline Model Calibration Table.

	Model Data			2019 Data			Elec Usage	Demand	Gas Usage	Elec Usage	Demand	Gas Usage
	Electricity Usage (kWh)	Electricity Demand (kW)	Natural Gas Usage (Therms)	Electricity Usage (kWh)	Electricity Demand (kW)	Natural Gas Usage (Therms)	MBE (montly)	MBE (montly)	MBE (montly)	CV[RMSE] (Monthly)	CV[RMSE] (Monthly)	CV[RMSE] (Monthly)
January	18,266	48	2,227	20,302	57	1,940	-10.03%	-14.47%	14.82%	10.84%	13.28%	29.10%
February	16,914	48	1,868	19,818	63	1,967	-14.65%	-23.50%	-5.03%	15.46%	24.08%	10.02%
March	16,743	51	1,383	15,343	59	1,157	9.13%	-12.64%	19.54%	7.45%	12.00%	22.87%
April	16,441	62	718	18,745	67	430	-12.29%	-7.65%	67.15%	12.27%	8.34%	29.21%
May	17,694	69	418	20,215	76	192	-12.47%	-8.00%	117.43%	13.42%	9.77%	22.87%
June	19,551	73	247	19,330	81	119	1.15%	-9.27%	107.28%	1.18%	12.09%	12.93%
July	23,209	74	54	21,522	100	77	7.84%	-25.68%	-30.73%	8.98%	41.47%	2.41%
August	22,832	78	100	20,830	96	114	9.61%	-19.03%	-12.20%	10.66%	29.66%	1.40%
September	19,585	76	217	15,975	68	475	22.60%	12.84%	-54.28%	19.22%	14.08%	26.12%
October	17,583	63	855	15,856	50	1,087	10.89%	25.46%	-21.37%	9.19%	20.71%	23.52%
November	17,932	48	1,732	19,094	56	1,818	-6.09%	-13.96%	-4.72%	6.19%	12.72%	8.68%
December	18,675	48	2,037	18,264	48	2,022	2.25%	0.27%	0.72%	2.19%	0.21%	1.46%
Annual Totals	225,425	741	11,856	225,293	821	11,399						

Envelope Description

Table 5 summarizes the modeling input assumptions for the building envelope used in the energy model. Information on the glazing performance was provided by the design team and typical insulation levels were used for the wall and roof constructions based on era of construction. Table 4 is the LV-D summary output report from the eQuest model. This summary provides the areas and average U-Value for all the surfaces in the model.

Table 5. Envelope Constructions.

Envelope Type	Description	U-Value
Metal Walls	Metal siding, 2x6 frame wall construction with R-19 insulation and interior finish.	0.065
Concrete Walls	8" concrete wall construction with interior finish	0.641
Flat Roof 1	3/8" built up roof, 3" polyurethane, wood framing, and 5/8" plywood.	0.043
Floor	6" Concrete with carpet with no insulation	0.010
Underground Walls	8" concrete wall construction with interior finish	0.176
Windows	27.7% window to wall ratio	
	Window Type 1 (100% of windows) COG U-Value 0.35, SHGC 0.38	
Infiltration	Reasonable airtightness (0.40 ACH).	N/A

Table 6. Envelope Area and U-value Summary (as modeled).

	AVERAGE U-VALUE/WINDOWS (BTU/HR-SQFT-F)	AVERAGE U-VALUE/WALLS (BTU/HR-SQFT-F)	AVERAGE U-VALUE WALLS+WINDOWS (BTU/HR-SQFT-F)	WINDOW AREA (SQFT)	WALL AREA (SQFT)	WINDOW+WALL AREA (SQFT)
NORTH	0.347	0.326	0.332	940	1,976	2,916
NORTH-EAST	0.347	0.262	0.284	162	484	646
EAST	0.347	0.225	0.274	1,438	2,145	3,583
SOUTH-EAST	0.347	0.388	0.377	471	1,371	1,842
SOUTH	0.347	0.328	0.332	337	1,251	1,588
SOUTH-WEST	0.348	0.302	0.314	370	1,035	1,405
WEST	0.347	0.188	0.218	619	2,699	3,318
NORTH-WEST	0	0.444	0.444	0	335	335
FLOOR	0	0.462	0.462	0	921	921
ROOF	0	0.048	0.048	0	15,194	15,194
ALL WALLS	0.347	0.28	0.299	4,336	11,297	15,633
WALLS+ROOFS	0.347	0.147	0.175	4,336	26,490	30,826
UNDERGRND	0	0.036	0.036	0	16,608	16,608
BUILDING	0.347	0.112	0.133	4,336	44,020	48,355

Internal Loads

Peak internal loads and load schedules were created for (14) different space type categories. Table 7 contains the peak loads for people, lighting and equipment used for the baseline calibrated modeling. Connected lighting load was calibrated to the Mikinstry light replacement document for the LED lighting upgrade performed in 2014. Lighting was distributed based on typical space type lighting allocation and spot measurements done in the field. Figures 4 through 10 show the occupancy, lighting and equipment profiles for the current operation of the building during the occupied period.

Table 7. Internal Load Characteristics (Model Input).

Space Type	Area/Person	Lighting W/sf	Equipment W/sf
Computer Room	100	0.82	1.50
Conference Room	100	1.07	1.00
Corridor	500	0.78	0.20
Electrical	1,000	0.48	0.20
Kitchen	200	1.21	3 kW
Locker Rooms	500	0.57	0.20
Lunch Room	100	0.47	0.20
Mechanical	1,000	0.48	0.20
Private Office	125	0.82	1.00
Open Office	100	0.68	0.75
Restrooms	500	0.70	0.20
Stairs	1,000	0.54	0.20
Storage	1,000	0.56	0.20
Vestibule	1,000	0.78	0.20

Figure 4. Office Occupied Profile

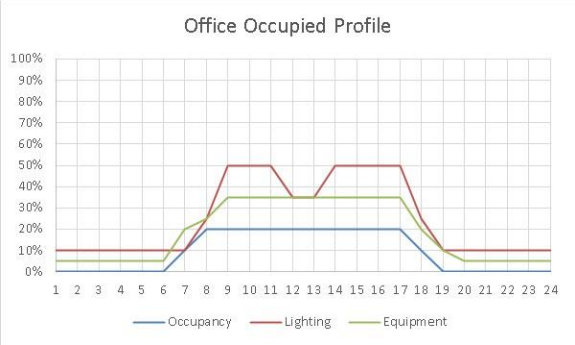


Figure 5. Conference Occupied Profile

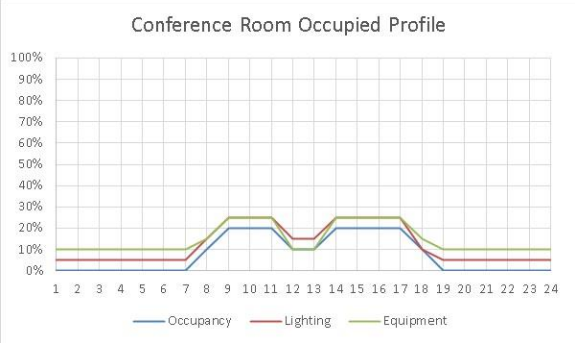


Figure 6. File Storage Occupied Profile

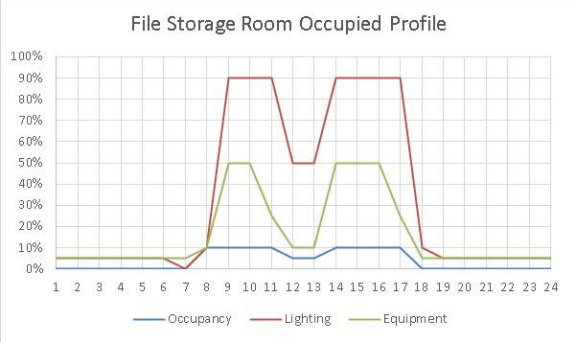


Figure 7. Corridor Occupied Profile

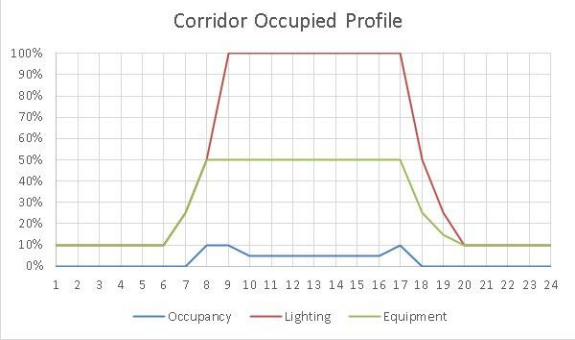


Figure 8. Mech/Elec/Storage Occupied Profile

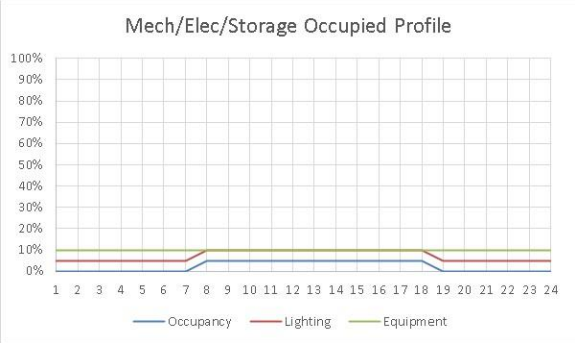


Figure 9. Restroom/Locker Rooms Occupied Profile

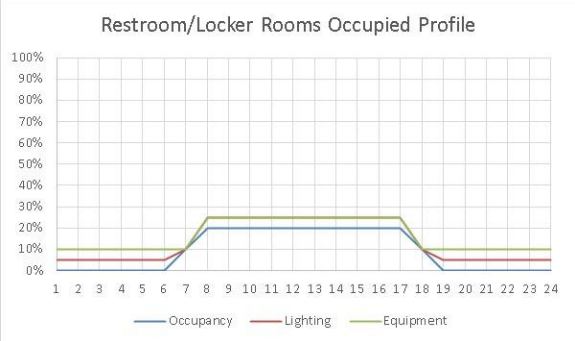
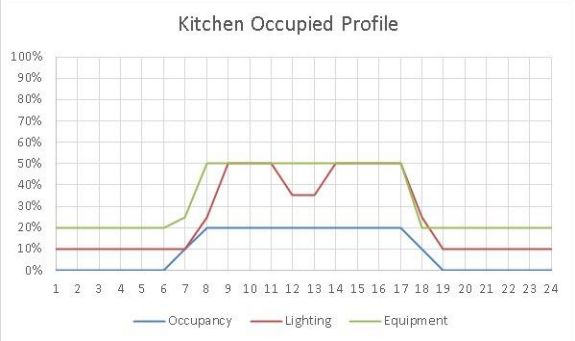


Figure 10. Kitchen Occupied Profile



Specialty Loads

The specialty loads that were modeled in the include the following:

- Elevators: 3 kW peak load diversified by schedule: 998 kWh/yr
- Server Room: 6 kW peak load diversified by schedule: 52,560 kWh/yr
- Exterior lighting: 1.5 kW of peak load diversified by schedule: 6,439 kWh.

Air-Side HVAC

The air-side HVAC was modeled to match the existing conditions of the building based on the documentation obtained from the design team and visual inspection of equipment, DDC system review and limited trending. The predominant HVAC system is a single variable-air-volume (VAV) system serving single-duct terminal units (TU). Perimeter spaces are equipped with hot water (HW) radiators and several terminal units are equipped with a HW reheat coils. Other systems include split system units serving the server room and HW fan coil units (FCU) serving the stairwells. Below is the information collected about the single-duct VAV system that serves the majority of the building:

- AHU-1
    - Air Flow – 35,126 CFM
    - Minimum outside air (OSA) – 5,269 CFM (15%)
    - Minimum OSA with CO2 control – 4,215 CFM (12%)
    - Supply Fan total static pressure (TSP) – 5.0 inches of water column (in. w.c.)
    - Return Fan TSP – 2.0 in. w.c.
    - Economizer high limit temperature lockout – 68 degrees Fahrenheit (degF)
    - Supply air temperature reset – Reset between 54 degF and 68 degF based on zone calling for most cooling.

Table 8 summarizes the TUs that are served by AHU-1 systems as modeled based on the most recent design documents. Zonal TUs are equipped with both demand-controlled ventilation (DCV) with zonal CO2 sensors as well as occupancy sensing controls. The DCV appears to be working correctly reducing the minimum flow at the boxes as well as adjusting the minimum OSA rate at the AHU. The occupancy sensors are programmed to widen the temperature setpoint by 2 degrees during the occupied period, however the control sequence is not active.



Table 8. Summary of Terminal Units

Box ID	Max	Min	Min Flow %		Box ID	Max	Min	Min Flow %
TU-101	165	50	30%		TU-217	160	50	31%
TU-102	840	255	30%		TU-218	355	355	100%
TU-103	530	160	30%		TU-219	660	195	30%
TU-104	150	45	30%		TU-220	900	270	30%
TU-105	1020	310	30%		TU-221	400	120	30%
TU-106	680	205	30%		TU-222	400	120	30%
TU-107	250	75	30%		TU-223	840	250	30%
TU-108	300	100	33%		TU-224	170	55	32%
TU-109	560	560	100%		TU-225	840	250	30%
TU-110	240	75	31%		TU-226	840	250	30%
TU-111	240	75	31%		TU-227	400	120	30%
TU-112	280	85	30%		TU-301	170	55	32%
TU-113	370	110	30%		TU-302	935	285	30%
TU-114	1950	585	30%		TU-303	920	280	30%
TU-116	450	135	30%		TU-304	150	45	30%
TU-117	1950	585	30%		TU-305	1200	360	30%
TU-118	250	75	30%		TU-306	310	63	20%
TU-119	330	100	30%		TU-307	1200	360	30%
TU-120	500	150	30%		TU-308	355	105	30%
TU-201	150	45	30%		TU-309	260	260	100%
TU-202	300	90	30%		TU-310	480	145	30%
TU-203	360	120	33%		TU-311	425	130	31%
TU-204	840	250	30%		TU-312	180	55	31%
TU-205	960	290	30%		TU-313	340	105	31%
TU-206	275	75	27%		TU-314	420	140	33%
TU-207	960	290	30%		TU-315	150	45	30%
TU-208	310	95	31%		TU-316	1040	310	30%
TU-209	180	55	31%		TU-317	220	65	30%
TU-210	140	45	32%		TU-318	1000	300	30%
TU-211	1280	385	30%		TU-319	400	120	30%
TU-212	195	60	31%		TU-320	1200	360	30%
TU-213	175	55	31%		TU-321	1040	310	30%
TU-214	600	180	30%		TU-322	1000	300	30%
TU-215	840	250	30%		TU-323	1200	360	30%
TU-216	590	180	31%					

Plant Level HVAC

The DOE is served by an 80% efficiency force draft boiler. The boiler is currently in need of repair and is also nearing the end of its service life. At the time of the site visit, staff was waiting for parts to repair a small leak in the boiler. HW is circulated to the AHU, TUs, and HW radiators via (2) variable speed HW pumps. Below is name plate information on both the boiler and HW pumps.

- HW Boiler
  - Mfg: Bryan Boilers
  - Model: CL 150-W-FDG, - [KD-1]
  - Input: 1,500 MBH
  - Output: 1,200 MBH
  - HW Design Temperature: 180 degF
- HW Pumps
  - Number of Pumps: 2
  - Pump Mfg: Taco
  - Motor Mfg: Baldor
  - Flow Rate: 150 GPM
  - Head: 60 feet
  - Motor HP: 5
  - VFD: Yes

Cooling is provided by (2) split system condensing units located on the roof. Visual inspection of the condensing units noted that they appeared to be in good working condition, however they were not energized during the site visit. Information on the condensing units is below:

- Condensing Units
  - Number of Units: 2
  - Mfg: Carrier
  - Model: 38AH-064-501DA
  - Nominal Capacity: 60 Tons
  - EER: 10.5
  - IPLV:13.3

DHW is generated by one natural gas water heater. The DHW heater is currently in need of repair and is also nearing the end of its service life. At the time of the site visit, staff was waiting for parts to repair the DHW heater. Information of the DHW heater is shown below:

- DHW Heater
  - Mfg: Rheem/Rudd
  - Model: HE80-130
  - Serial: 1009T1985N
  - Mfg Date: 10/6/2009
  - Input: 130 MBH
  - Output: 104 MBH

Partial Occupancy Energy Efficiency Measures

Below is a list of the energy efficiency measures (EEM) that are modeled for the building in its current operating condition. These measures are primarily low-cost measures that could be implemented without a capital budget request.

Enable Occupancy Based HVAC Controls

The existing control system has occupancy controls programmed into the HVAC system which allowed unoccupied terminal units to widen their temperature setpoints by 2 degrees during the occupied period. Due to the building being currently occupied to approximately 20% of its full load capacity, this measure implementation would provide significant savings. Below are the recommended steps to implementation:

- Enable occupancy sensors to reduce the heating setpoint by 2 degF and increase the cooling setpoint by 2 degF when the space is unoccupied.

The following changes were made to the energy model to simulate the energy savings associated with this measure:

- Create new heating schedule with the following setpoints
  - Heating Occupied: 70 degF
  - Heating Unoccupied: 62 degF
- Create new cooling schedule with the following setpoints
  - Cooling Occupied: 75 degF
  - Cooling Unoccupied: 85 degF
- Assign the new thermostat schedules to 50% of the terminal units in the building to simulate partial occupancy.

Consolidation of Employees to 2nd Floor

Currently, the building is occupied to approximately 20% of its full load capacity and employees are spread out throughout the building. By partially occupying each floor, the entire building is conditioned to the occupied temperature setpoints. By consolidating the majority of employees to the 2nd floor (ground floor), the unoccupied portions of the building could be conditioned to an unoccupied setpoint. Below are the recommended steps to implementation:

- Consolidate all office employees that can be moved easily to the main floor of the building.
- Revise the thermostat schedule of the building to unoccupied mode for all zones that are fully unoccupied.

The following changes were made to the energy model to simulate the energy savings associated with this measure:

- Assigned unoccupied temperature schedules to the entire 1st floor except the following area, which are considered impractical to move.
  - File Room 116
  - Corridor 102
  - Elevator Lobby



  - Men's and Women's Locker Rooms
  - Lunchroom 105
  - Kitchen 108A
- Assigned unoccupied temperature schedules to the entire 3rd floor.

Optimize Economizer Setpoint

The existing economizer high limit setpoint is set to disable the economizer setpoint above 68 degF. Based on the average return air temperature, this setpoint could be limiting the energy savings potential of the economizer cooling. Below is the recommended step to implementation:

- Change the economizer lockout temperature to 70 degF.

The following changes were made to the energy model to simulate the energy savings associated with this measure:

- Change the economizer high limit setpoint from 68 degF to 70 degF.

Optimize Space Temperature Setpoints

The temperature setpoints for the occupied period are not aligned with typical standards for an energy efficient building. Below are the recommended changes:

- Change the occupied heating temperature setpoint from 72 degF to 70 degF
- Change the occupied cooling temperature setpoint from 74 degF to 75 degF

The following changes were made to the energy model to simulate the energy savings associated with this measure:

- Create new heating schedule with the following setpoints
  - Heating Occupied: 70 degF
  - Heating Unoccupied: 62 degF
- Create new cooling schedule with the following setpoints
  - Cooling Occupied: 75 degF
  - Cooling Unoccupied: 85 degF

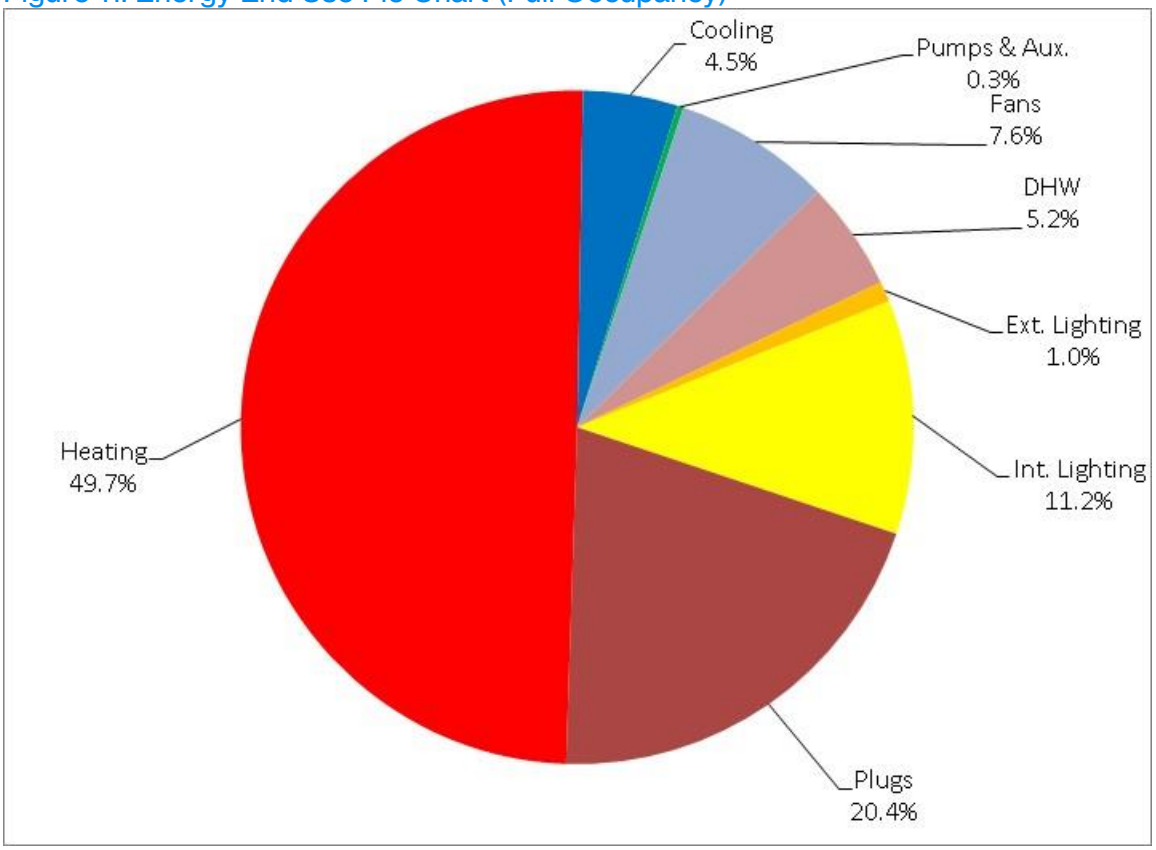
Full Occupancy Energy Efficiency Measures

The full load occupancy measures were run based on a modified baseline which increased the occupancy, lighting and equipment to full load capacity. The DHW load was also increased to simulate increased handwashing and showers. The new end use split for the fully occupied building is shown in Table 9 and Figure 11.

Table 9. Energy End Use Allocation (Full Occupancy)

End Use	kWh	% of Electricity	Therms	% of Gas	MMBtu	% of Total
Int. Lighting	74,828	25.0%	0	0.0%	255	11.2%
Plugs	135,923	45.3%	0	0.0%	464	20.4%
Heating	0	0.0%	11,305	90.5%	1,131	49.7%
Cooling	30,246	10.1%	0	0.0%	103	4.5%
Heat Rejection	0	0.0%	0	0.0%	0	0.0%
Pumps & Aux.	2,062	0.7%	0	0.0%	7	0.3%
Fans	50,298	16.8%	0	0.0%	172	7.6%
DHW	0	0.0%	1,193	9.5%	119	5.2%
Specialty Loads	0	0.0%	0	0.0%	0	0.0%
Ext. Lighting	6,439	2.1%	0	0.0%	22	1.0%
Total	299,796	100.0%	12,498	100.0%	2,273	100.0%

Figure 11. Energy End Use Pie Chart (Full Occupancy)





Below is a list of all the EEMs that are modeled for the building in a full occupancy operating condition.

Optimize Economizer Setpoint

The existing economizer high limit setpoint is set to disable the economizer setpoint above 68 degF. Based on the average return air temperature, this setpoint could be limiting the energy savings potential of the economizer cooling. Below is the recommended step to implementation:

- Change the economizer lockout temperature to 70 degF.

The following changes were made to the energy model to simulate the energy savings associated with this measure:

- Change the economizer high limit setpoint from 68 degF to 70 degF.

Optimize Space Temperature Setpoints

The temperature setpoints for the occupied period are not aligned with typical standards for an energy efficient building. Below are the recommended changes:

- Change the occupied heating temperature setpoint from 72 degF to 70 degF
- Change the occupied cooling temperature setpoint from 74 degF to 75 degF

The following changes were made to the energy model to simulate the energy savings associated with this measure:

- Create new heating schedule with the following setpoints
  - Heating Occupied: 70 degF
  - Heating Unoccupied: 62 degF
- Create new cooling schedule with the following setpoints
  - Cooling Occupied: 75 degF
  - Cooling Unoccupied: 85 degF

Replace Existing Boiler with Condensing Boiler

The existing boiler is currently in need of repair and beyond its useful life. If the DOE decides to maintain natural gas as the primary heating source, the boiler could be replaced with a high efficiency condensing boiler to increase the energy efficiency and reduce the carbon emissions of the building. Below is the recommended steps for implementation:

- Replace the existing boiler with a ~95% efficient condensing boiler.
- Revise the sequence of operations of the HW temperature reset to reset the HW temperature to 120 degrees based on call for heating in the building.

The following changes were made to the energy model to simulate the energy savings associated with this measure:

- Change the boiler type from forced draft to condensing.
- Change the boiler design efficiency from 80% to 95%.
- Modify HW reset sequence to reset between 160 to 120 based on loads.

Replace Existing DHW Water Heater with Condensing Water Heater

The existing DHW heater is currently in need of repair and beyond its useful life. If the DOE decides to maintain natural gas as the primary heating source for DHW, the water heater could be replaced with a high efficiency condensing boiler to increase the energy efficiency and reduce the carbon emissions of the building. Below is the recommended steps for implementation:

- Replace the existing DHW heater with a ~95% efficient condensing water heater.

The following changes were made to the energy model to simulate the energy savings associated with this measure:

- Change the DHW water heater design efficiency from 80% to 95%.

Replace Existing DHW Water Heater with Heat Pump Water Heater

The existing DHW heater is currently in need of repair and beyond its useful life. If the DOE decides to convert their natural gas water heater to electric, the water heater could be replaced with a high efficiency CO2 electric heat pump water heater to increase the energy efficiency and reduce the carbon emissions of the building. Below is the recommended steps for implementation:

- Replace the existing DHW heater with a CO2 heat pump water heater.

The following changes were made to the energy model to simulate the energy savings associated with this measure:

- Change the DHW water heater fuel source from natural gas to electricity.
- Change the DHW water heater design efficiency from 80% natural gas to electric heat pump coefficient of performance (COP) value of 3.5.

Replace Existing HVAC System with Variable Refrigerant Flow System (VRF)

The existing boiler is currently in need of repair and beyond its useful life. The air handling unit (AHU) and terminal units appear to have 5 to 10 years of useful life left on them, but energy savings and carbon reduction could be gained by replacing the HVAC system with a VRF heat pumping system. Below are the recommended steps for implementation:

- Remove the boilers, condensing units and existing HVAC system.
- Install a heat recovery ventilation (HRV) system to provide ventilation air to the zones.
- Install zonal VRF fan coil units (FCUs) in each conditioned zone.
- Install outdoor VRF condensing units to absorb and reject heat.

The following changes were made to the energy model to simulate the energy savings associated with this measure:

- Remove boiler and HW loop from model.
- Model a 60% effective HRV system which will provide ventilation air to the conditioned zones.
- Model code level VRF system in each conditioned zone in the model.

Replace Existing Boiler with Air-to-Water Heat Pump

The existing boiler is currently in need of repair and beyond its useful life. If the DOE decides to reduce natural gas as the primary heating source, the boiler could be replaced with an air-to-water heat pump with a high efficiency condensing boiler as low outside air temperature backup to increase the energy efficiency and reduce the carbon emissions of the building. Below is the recommended steps for implementation:

- Install new air-to-water heat pump for primary HW production.
- Install a new ~95% efficient condensing boiler as backup.
- Replace HW coils in AHU, TUs, and radiators to low-temperature HW coils and radiators.
- Revise the sequence of operations of the HW temperature reset to reset the HW temperature between 125 degF to 110 degF based on call for heating in the building.

The following changes were made to the energy model to simulate the energy savings associated with this measure:

- Change boiler type from forced draft natural gas to air-to-water heat pump with COP of 2.06.
- Create condensing boiler backup with boiler design efficiency of 95%
- Modify HW reset sequence to reset between 125 to 110 based on loads.
- Create equipment controller which switches to condensing boiler backup at 10 degF.

Replace Existing Boiler with Water-to-Water Heat Pump and Ground Loop Heat Rejection

The existing boiler is currently in need of repair and beyond its useful life. If the DOE decides to eliminate natural gas as the primary heating source, the boiler could be replaced with a water-to-water heat pump tied into a ground loop heat rejection. This move would increase the energy efficiency and reduce the carbon emissions of the building without the need for a natural gas boiler backup. Below is the recommended steps for implementation:

- Install new water-to-water heat pump for primary HW production.
- Create vertical or horizonal heat rejection field for ground loop heat rejection
- Replace HW coils in AHU, TUs, and radiators to low-temperature HW coils and radiators.
- Revise the sequence of operations of the HW temperature reset to reset the HW temperature between 125 degF to 110 degF based on call for heating in the building.

The following changes were made to the energy model to simulate the energy savings associated with this measure:

- Change boiler type from forced draft natural gas to water-to-water heat pump with COP of 3.61.
- Create heat rejection loop with condenser water pump for heat rejection from water-to-water heat pump.
- Modify HW reset sequence to reset between 125 to 110 based on loads.

EEM Results

Tables 10 and 11 below summarize the results of the EEMs modeled in the eQuest Energy Model. Table 9 calculates each measure individually and then a package of all measures run together for the building in its current operating condition. Table 10 calculates each measure individually and then a package of all measures run together for the building in a fully operational condition. Below are the list of measures run.

- Partially Occupied Building
  - PO-ECM-1 – Enable Occupancy Controls
  - PO-ECM-2 – Consolidation of Employees to 2nd Floor
  - PO-ECM-3 – Optimize Economizer Setpoints
  - PO-ECM-4 – Optimize Space Temperature Setpoints
  - PO-PKG-1 – Package Run including PO-ECM-1, PO-ECM-3, PO-ECM-4
  - PO-PKG-2 – Package Run including PO-ECM-2, PO-ECM-3, PO-ECM-4
- Fully Occupied Building
  - FO-ECM-1 – Optimize Economizer Setpoints
  - FO-ECM-2 – Optimize Space Temperature Setpoints
  - FO-ECM-3 – Replace Existing Boiler with Condensing Boiler
  - FO-ECM-4 – Replace Existing DHW Heater with Condensing DHW Heater
  - FO-ECM-5 – Replace Existing DHW Heater with CO2 Heat Pump Water Heater
  - FO-ECM-6 – Replace Existing HVAC System with VRF Heat Pump System
  - FO-ECM-7 – Replace Existing Boiler with Air-to-Water Heat Pump with Condensing Boiler Backup
  - FO-ECM-8 – Replace Existing Boiler with Water-to-Water Heat Pump with Ground Loop Heat Rejection
  - FO-PKG-1 – Package Run including FO-ECM-1, FO-ECM-2, FO-ECM-3, FO-ECM-4
  - FO-PKG-2 – Package Run including FO-ECM-2, FO-ECM-5, FO-ECM-6
  - FO-PKG-3 – Package Run including FO-ECM-1, FO-ECM-2, FO-ECM-4, FO-ECM-7
  - FO-PKG-4 – Package Run including FO-ECM-1, FO-ECM-2, FO-ECM-4, FO-ECM-8

Table 10 – Partial Occupancy EEM Savings

Run	ECM Summary	Electric Energy kWh	Natural Gas Therms	Carbon Emissions Lbs CO2e	Electric Cost $	Nat Gas Cost $	Total Cost $	Total Cost Savings $	Electric Savings kWh	Natural Gas Savings Therms	Emissions Savings Lbs CO2e
Baseline	Partial Occupancy Baseline	225,425	11,856	264,053	$20,931	$8,424	$29,356	N/A	N/A	N/A	N/A
PO-ECM-1	Enable Occupancy Based Controls	224,475	11,298	256,995	$20,843	$8,028	$28,871	$485	950	558	7,059
PO-ECM-2	Consolidation of Employees	205,887	9,404	224,495	$19,117	$6,682	$25,799	$3,557	19,538	2,453	39,559
PO-ECM-3	Optimize Economizer Setpoints	225,069	11,856	263,856	$20,898	$8,424	$29,323	$33	356	0	198
PO-ECM-4	Optimize Space Temperature Setpoints	223,955	10,720	249,940	$20,795	$7,617	$28,412	$944	1,470	1,136	14,113
PO-PKG-1	ECM-1, ECM-3, ECM-4	223,273	10,321	244,901	$20,732	$7,334	$28,065	$1,290	2,152	1,535	19,153
PO-PKG-2	ECM-2, ECM-3, ECM-4	205,563	8,394	212,505	$19,087	$5,964	$25,052	$4,304	19,861	3,462	51,549

Table 11 – Full Occupancy EEM Savings

Run	ECM Summary	Electric Energy kWh	Natural Gas Therms	Carbon Emissions Lbs CO2e	Electric Cost $	Nat Gas Cost $	Total Cost $	Total Cost Savings $	Electric Savings kWh	Natural Gas Savings Therms	Emissions Savings Lbs CO2e
Baseline	Partial Occupancy Baseline	299,676	12,501	312,877	$27,826	$8,882	$36,708	N/A	N/A	N/A	N/A
FO-ECM-1	Optimize Economizer Setpoints	299,159	12,481	312,356	$27,778	$8,868	$36,646	$62	517	20	521
FO-ECM-2	Optimize Space Temperature Setpoints	296,763	10,949	293,102	$27,555	$7,780	$35,335	$1,373	2,913	1,552	19,776
FO-ECM-3	Condensing Boiler	300,751	10,585	291,061	$27,926	$7,521	$35,447	$1,261	-1,075	1,916	21,816
FO-ECM-4	Condensing DHW Heater	299,676	12,290	310,413	$27,826	$8,733	$36,558	$150	0	211	2,464
FO-ECM-5	Heat Pump Water Heater	307,785	11,305	303,399	$28,579	$8,033	$36,612	$96	-8,109	1,195	9,478
FO-ECM-6	VRF w/ HRV	366,153	1,192	217,524	$33,998	$847	$34,845	$1,863	-66,477	11,309	95,353
FO-ECM-7	Air-to-Water Heat Pump	440,859	1,481	262,447	$40,935	$1,052	$41,987	-$5,280	-141,183	11,019	50,430
FO-ECM-8	Ground-Loop Heat Pump	395,505	1,192	233,844	$36,724	$847	$37,571	-$863	-95,829	11,309	79,033
FO-PKG-1	ECM-1, ECM-2, ECM-3, ECM-4	297,480	9,175	272,742	$27,622	$6,519	$34,141	$2,567	2,196	3,326	40,135
FO-PKG-2	ECM-2, ECM-5, ECM-6	366,971	0	204,036	$34,074	$0	$34,074	$2,634	-67,294	12,501	108,842
FO-PKG-3	ECM-1, ECM-2, ECM-4, ECM-7	428,191	289	241,461	$39,759	$206	$39,964	-$3,257	-128,515	12,211	71,417
FO-PKG-4	ECM-1, ECM-2, ECM-4, ECM-8	390,695	0	217,226	$36,277	$0	$36,277	$431	-91,018	12,501	95,651

Appendix

Electric Company ESG/Sustainability Quantitative Information

Parent Company: Avista Corporation
Operating Company(s): Avista Utilities
Business Type(s): Electrical generation and distribution
State(s) of Operation: ID, WA
State(s) with RPS Programs: WA
Regulatory Environment: Regulated
Report Date: 12/1/2021 -- Revised data provided 03/30/2022 (identified in comments column)

	Baseline	Prior Reported Years			Current Year	Comments, Links, Additional Information, and Notes
Portfolio	**2005**	**2017**	**2018**	**2019**	**2020**	
Owned Nameplate Generation Capacity at end of year (MW)						
Coal	233.4	233.4	233.4	233.4	233.4	
Natural Gas	552.3	555.1	555.1	555.1	555.1	
Nuclear	-	-	-	-	-	
Petroleum	-	-	-	-	-	
Total Renewable Energy Resources	953.1	991.1	991.1	991.1	995.0	
Biomass/Biogas	50.7	50.7	50.7	50.7	50.7	
Geothermal	-	-	-	-	-	
Hydroelectric	902.4	940.4	940.4	940.4	944.3	
Solar	-	-	-	-	-	
Wind	-	-	-	-	-	
Other	-	-	-	-	-	
Net Generation for the data year (MWh) Scope 1 + Scope 2						
Coal	1,770,709	1,423,319	1,389,037	1,582,048	1,220,311	
Natural Gas	1,612,702	3,090,056	3,289,220	3,953,871	3,673,474	
Nuclear	-	-	-	-	-	
Petroleum	-	-	-	-	-	
Total Renewable Energy Resources	5,241,584	5,743,040	5,972,503	5,501,882	5,777,585	
Biomass/Biogas	375,016	325,150	371,366	354,683	302,429	
Geothermal	-	-	-	-	-	
Hydroelectric	4,793,878	5,117,024	5,271,813	4,802,156	5,059,199	
Solar	-	486	2,152	42,907	45,815	
Wind	72,690	300,380	327,172	302,136	370,142	
Other	4,727,381	2,168,942	2,219,937	1,876,216	1,849,139	
Owned Net Generation for the data year (MWh) Scope 1						
Coal	1,770,709	1,423,319	1,389,037	1,582,048	1,220,311	
Natural Gas	1,612,702	1,762,809	1,697,829	2,155,469	1,988,395	
Nuclear	-	-	-	-	-	
Petroleum	-	-	-	-	-	
Total Renewable Energy Resources	3,948,993	4,267,140	4,366,311	3,835,996	3,915,351	
Biomass/Biogas	338,170	290,117	336,936	316,112	264,851	
Geothermal	-	-	-	-	-	
Hydroelectric	3,610,823	3,977,023	4,029,375	3,519,884	3,650,500	
Solar	-	-	-	-	-	
Wind	-	-	-	-	-	
Other	-	-	-	-	-	
Purchased Net Generation for the data year (MWh) Scope 2						
Coal	-	-	-	-	-	
Natural Gas	-	1,327,247	1,591,391	1,798,402	1,685,079	
Nuclear	-	-	-	-	-	
Petroleum	-	-	-	-	-	
Total Renewable Energy Resources	1,292,591	1,475,900	1,606,192	1,665,886	1,862,234	
Biomass/Biogas	36,846	35,033	34,430	38,571	37,578	
Geothermal	-	-	-	-	-	
Hydroelectric	1,183,055	1,140,001	1,242,438	1,282,272	1,408,699	
Solar	-	486	2,152	42,907	45,815	
Wind	72,690	300,380	327,172	302,136	370,142	
Other	4,727,381	2,168,942	2,219,937	1,876,216	1,849,139	

Note: Data sourced from EPA GHG MRR Subparts C, D, W, and DD; EIA Form 861; SEC form 10-K; and FERC Form 1.

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Electric Company ESG/Sustainability Quantitative Information

Parent Company: Avista Corporation
Operating Company(s): Avista Utilities
Business Type(s): Electrical generation and distribution
State(s) of Operation: ID, WA
State(s) with RPS Programs: WA
Regulatory Environment: Regulated
Report Date: 12/1/2021 -- Revised data provided 03/30/2022 (identified in comments column)

	Baseline	Prior Reported Years			Current Year	Comments, Links, Additional Information, and Notes
Portfolio	**2005**	**2017**	**2018**	**2019**	**2020**	
Capital Expenditures and Energy Efficiency (EE)						
Total Annual Capital Expenditures (nominal dollars)	$ 259,675,718	$ 406,201,555	$ 420,377,970	$ 439,249,001	$ 399,504,892	
Incremental Annual Electricity Savings from EE Measures (MWh)	56,571	115,687	73,186	66,933	40,897	
Incremental Annual Investment in Electric EE Programs (nominal dollars)	$ 4,500,000	$ 32,775,000	$ 24,923,000	$ 21,678,737	$ 17,343,392	
Retail Electric Customer Count (at end of year)						
Commercial	37,771	42,990	43,348	43,560	44,748	
Industrial	1,407	1,320	1,297	1,293	1,210	
Residential	294,036	337,932	342,988	348,103	354,182	
Emissions	**2005**	**2017**	**2018**	**2019**	**2020**	
GHG Emissions: Carbon Dioxide (CO2) and Carbon Dioxide Equivalent (CO2e)						
Owned Generation (1) (2) (3) Scope 1						
Carbon Dioxide (CO2)						
Total Owned Generation CO2 Emissions (MT)	2,353,791	2,070,820	2,049,381	2,346,316	1,949,751	
Total Owned Generation CO2 Emissions Intensity (MT/Net MWh)	0.321	0.278	0.275	0.310	0.274	
Carbon Dioxide Equivalent (CO2e)						
Total Owned Generation CO2e Emissions (MT)	2,371,430	2,093,789	2,072,194	2,371,367	1,968,205	
Total Owned Generation CO2e Emissions Intensity (MT/Net MWh)	0.323	0.281	0.278	0.313	0.276	
Purchased Power (4) Scope 2						
Carbon Dioxide (CO2)						
Total Purchased Generation CO2 Emissions (MT)	1,934,677	1,151,115	1,262,386	1,226,610	1,179,446	
Total Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	0.321	0.232	0.233	0.230	0.219	
Carbon Dioxide Equivalent (CO2e)						
Total Purchased Generation CO2e Emissions (MT)	1,934,684	1,155,543	1,267,028	1,231,045	1,183,787	
Total Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	0.321	0.232	0.234	0.231	0.220	
Owned Generation + Purchased Power Scope 1 + Scope 2						
Carbon Dioxide (CO2)						
Total Owned + Purchased Generation CO2 Emissions (MT)	4,288,468	3,221,935	3,311,767	3,572,927	3,129,197	
Total Owned + Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	0.321	0.259	0.257	0.277	0.250	
Carbon Dioxide Equivalent (CO2e)						
Total Owned + Purchased Generation CO2e Emissions (MT)	4,306,114	3,249,332	3,339,222	3,602,413	3,151,992	
Total Owned + Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	0.322	0.261	0.259	0.279	0.252	
Non-Generation CO2e Emissions of Sulfur Hexafluoride (SF6) (5)						
Total CO2e emissions of SF6 (MT)	N/A	3,083	9,968	7,684	666	Revised data provided 03/30/2022. Previous data was listed in MT of SF6,
Leak rate of CO2e emissions of SF6 (MT/Net MWh)	N/A	0.000248	0.000774	0.000595	0.000053	not converted into CO2e as specified by template.
Nitrogen Oxide (NOx), Sulfur Dioxide (SO2), Mercury (Hg)						
Generation basis for calculation **(6)**	Total Scope 1	Total Scope 1	Total Scope 1	Total Scope 1	Total Scope 1	
Nitrogen Oxide (NOx)						
Total NOx Emissions (MT)	3,954	1,549	1,588	1,684	1,247	
Total NOx Emissions Intensity (MT/Net MWh)	0.000539	0.000208	0.000213	0.000222	0.000175	
Sulfur Dioxide (SO2)						
Total SO2 Emissions (MT)	776	636	598	675	245	
Total SO2 Emissions Intensity (MT/Net MWh)	0.000106	0.000085	0.000080	0.000089	0.000034	
Mercury (Hg)						
Total Hg Emissions (kg)	146	118	117	127	101	
Total Hg Emissions Intensity (kg/Net MWh)	0.000020	0.000016	0.000016	0.000017	0.000014	

Note: Data sourced from EPA GHG MRR Subparts C, D, W, and DD; EIA Form 861; SEC form 10-K; and FERC Form 1.

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Electric Company ESG/Sustainability Quantitative Information

Parent Company: Avista Corporation
Operating Company(s): Avista Utilities
Business Type(s): Electrical generation and distribution
State(s) of Operation: ID, WA
State(s) with RPS Programs: WA
Regulatory Environment: Regulated
Report Date: 12/1/2021 -- Revised data provided 03/30/2022 (identified in comments column)

	Baseline	Prior Reported Years			Current Year	Comments, Links, Additional Information, and Notes
Resources	**2005**	**2017**	**2018**	**2019**	**2020**	
Human Resources						
Total Number of Employees	1,406	1,738	1,763	1,791	1,798	
Percentage of Women in Total Workforce	29.7%	28.5%	28.5%	28.9%	29.7%	
Percentage of Minorities in Total Workforce	6.2%	7.9%	8.2%	7.8%	8.1%	
Total Number on Board of Directors/Trustees	11	11	10	11	11	
Percentage of Women on Board of Directors/Trustees	18.2%	36.4%	40.0%	36.4%	36.4%	
Percentage of Minorities on Board of Directors/Trustees	9.1%	9.1%	10.0%	9.1%	9.1%	
Employee Safety Metrics						
Recordable Incident Rate	6.20	3.96	4.80	3.15	3.21	4.40 including work related COVID-19 cases for 2020
Lost-time Case Rate	0.32	1.52	1.62	1.19	1.13	2.32 including work related COVID-19 cases for 2020
Days Away, Restricted, and Transfer (DART) Rate	0.32	2.38	2.16	1.90	1.55	2.73 including work related COVID-19 cases for 2020
Work-related Fatalities	0.00	0.00	0.00	0.00	0.00	0.00 including work related COVID-19 cases for 2020
Fresh Water Resources used in Thermal Power Generation Activities						
Water Withdrawals - Consumptive (Millions of Gallons)	7,094	5,884	5,854	6,176	4,937	
Water Withdrawals - Non-Consumptive (Millions of Gallons)	12,050,796	13,130,997	13,323,152	11,614,562	12,098,296	
Water Withdrawals - Consumptive Rate (Millions of Gallons/Net MWh)	0.00097	0.00079	0.00079	0.00082	0.00069	
Water Withdrawals - Non-Consumptive Rate (Millions of Gallons/Net MWh)	1.64350	1.76178	1.78758	1.53358	1.69823	
Waste Products						
Amount of Hazardous Waste Manifested for Disposal	6,100	22,651	34,925	32,276	13,180	
Percent of Coal Combustion Products Beneficially Used	0%	0%	0%	0%	0%	

Key:
MT = metric tons
1 lb. = 453.59 grams
1 tonne = 1,000,000.00 grams
1 metric ton = 1.1023 short tons
Total output-based emissions factor = CO2 - 639 lb/MWh; CO2e - 643.4 lb/MWh, emission factor from eGRID 2018 GHG Annual Output Emission Rates, WECC Northwest.

Notes:
(1) Generation and emissions are adjusted for equity ownership share to reflect the percentage of output owned by reporting entity.
(2) CO2 and CO2e emissions intensity should be reported using total system generation (net MWh) based on EEI GHG worksheet.
(3) As reported to EPA under the mandatory GHG Reporting Protocols (40 CFR Part 98, Subparts C and D).
(4) Purchased power emissions should be calculated using the most relevant and accurate of the following methods:
For direct purchases, such as PPAs, use the direct emissions data as reported to EPA.
For market purchases where emissions are unknown, use applicable regional or national emissions rate:
- ISO/RTO-level emission factors
- Climate Registry emission factors
- E-Grid emission factors

(5) As reported to EPA under the mandatory GHG Reporting Protocols (40 CFR Part 98, Subpart DD).
(6) Indicate the generation basis for calculating SO2, NOx, and Hg emissions and intensity.
Fossil: Fossil Fuel Generation Only
Total: Total System Generation (Scope 1)
Other: Other (please specify in comment section)

Total CO2e is calculated using the following global warming potentials from the IPCC Fourth Assessment Report:
CO2 = 1
CH4 = 25
N2O = 298
SF6 = 22,800

Note: Data sourced from EPA GHG MRR Subparts C, D, W, and DD; EIA Form 861; SEC form 10-K; and FERC Form 1.
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EXHIBIT B

EXECUTIVE SUMMARY

Office MEP Retrofits

January 11, 2023

PROJECT INFORMATION

Owner:	WA State Department of Ecology	Project Number	-
Name:	Office MEP Retrofits	Estimate Date:	January 11, 2023
Location:	Spokane, WA	Building Area:	43,300
		Site Area:	1
Seattle Office:	Roen Associates	Contact Name:	Matt Wiggins
	500 Union Street, Suite 927	Telephone:	(206) 343-1003
	Seattle, WA 98101	E-mail:	mattw@roenassociates.com
Spokane Office:	Roen Associates	Contact Name:	
	121 South Wall	Telephone:	(509) 838-8688
	Spokane, WA 99201	E-mail:	
Project Type:	MEP Systems Retrofit		
Estimate Level:	PreDesign Estimate		
Project Start:	Q2, 2024	Project Duration:	6 months

Documents Reviewed:

	Document	A / E / C Firm	Date
Drawings:	Conceptual Information Package	Integrus	12/13/2022
Reports:			

Project Owner:	**WA State Department of Ecology**	Architect:	Integrus
Project Name:	**Office MEP Retrofits**	Duration:	TBD
Project Location:	Spokane, WA	Project GSF:	43,300
Start Date:	Q2, 2024	Site GSF:	-
Estimate Date:	January 11, 2023		

ALTERNATE ESTIMATES SUMMARY					
No.	Description	Quantity	Unit of Measure	Unit Cost	Total Estimated Cost (Escalated)
1	Replace with Gas	1	ls		$286,774
2	Replace Water Heater w/ Heat Pump	1	ls		$130,955
3	Air Cooled Heat Pump	43,300	gsf	51.19	$2,216,610
4	Geothermal	43,300	gsf	78.33	$3,391,882
5	VRF w/ HRU	43,300	gsf	63.48	$2,748,531

COMMENTS:

Design, Bid, Build delivery method is assumed

Assumes a Q2, 2024 construction start

Each Total Estimated Cost(s) are inclusive of prime contractor general conditions, mark ups and escalation

Mechanical and Electrical pricing were provided by MW Engineers

Estimate excludes soft costs such as design fees, permits, testing / inspections, construction change order contingencies, loose fixtures / furnishings and sales tax.

Opt No.	***DETAILED OPTIONS ESTIMATES*** Description	Quantity	Unit of Measure	Unit Cost	Total Estimated Cost
1	**Replace with Gas**				
	Interiors				
	All work occurs in Mechanical Rm - No architectural cut and patch required			-	$0
	Mechanical & Electrical (MW Engineers Budget Pricing)				
	Mechanical Costs - Replace Boiler and Water Heater	1	ls	180,000.00	$180,000
	Electrical Costs	1	ls	20,850.00	$20,850
	Building Selective Demolition				
	Demolition included in figures above			-	$0
	Hazardous Material Abatement - EXCLUDED			-	$0
	DIRECT COSTS SUBTOTAL				**$200,850**
	Prime Contractor General Conditions			15.00%	$30,128
	Design / Estimating Contingency			20.00%	$6,026
	Prime Contractor Markups (Insurance, Bond, OH & P, B&O Tax)			10.00%	$23,700
	Escalation to Midpoint (Q3, 2024)			10.00%	$26,070
	TOTAL ESTIMATED CONSTRUCTION COSTS				**$286,774**
2	**Replace Water Heater w/ Heat Pump**				
	Interiors				
	All work occurs in Mechanical Rm - No architectural cut and patch required			-	$0
	Mechanical & Electrical (MW Engineers Budget Pricing)				
	Mechanical Costs - Replace Water Heater w/ Heat Pump	1	ls	75,000.00	$75,000
	Electrical Costs	1	ls	16,718.00	$16,718
	Building Selective Demolition				
	Demolition included in figures above			-	$0
	Hazardous Material Abatement - EXCLUDED			-	$0
	DIRECT COSTS SUBTOTAL				**$91,718**
	Prime Contractor General Conditions			15.00%	$13,758
	Design / Estimating Contingency			20.00%	$2,752
	Prime Contractor Markups (Insurance, Bond, OH & P, B&O Tax)			10.00%	$10,823
	Escalation to Midpoint (Q3, 2024)			10.00%	$11,905
	TOTAL ESTIMATED CONSTRUCTION COSTS				**$130,955**

3	**Air Cooled Heat Pump**				
	Roofing				
	Roof Patch, Flashing & Roof Curbs for New Mech. Equipment	1	ls	10,000.00	$10,000
	Interiors				
	Cut and Patch of Interior Construction and Finishes				
	Remove, Repair, Replace Ceiling Finish @ New Terminal Units	70	ea	640.00	$44,800
	Mechanical & Electrical (MW Engineers Budget Pricing)				
	Mechanical System Costs - Air Cooled Heat Pump	1	ls	1,450,000	$1,450,000
	Electrical Costs	1	ls	47,665.00	$47,665
	Building Selective Demolition				
	Demolition included in figures above			-	$0
	Hazardous Material Abatement - EXCLUDED			-	$0
	DIRECT COSTS SUBTOTAL				**$1,552,465**
	Prime Contractor General Conditions			15.00%	$232,870
	Design / Estimating Contingency			20.00%	$46,574
	Prime Contractor Markups (Insurance, Bond, OH & P, B&O Tax)			10.00%	$183,191
	Escalation to Midpoint (Q3, 2024)			10.00%	$201,510
	TOTAL ESTIMATED CONSTRUCTION COSTS				**$2,216,610**
4	**Geothermal**				
	Roofing				
	Roof Patch, Flashing & Roof Curbs for New Mech. Equipment	1	ls	10,000.00	$10,000
	Interiors				
	Cut and Patch of Interior Construction and Finishes				
	Remove, Repair, Replace Ceiling Finish @ New Terminal Units	70	ea	640.00	$44,800
	Mechanical & Electrical				
	Mechanical System Costs - Geothermal	1	ls	1,935,750	$1,935,750
	Electrical Costs	1	ls	35,050.00	$35,050
	Building Selective Demolition				
	Demolition included in figures above			-	$0
	Hazardous Material Abatement - EXCLUDED			-	$0
	Sitework				
	Remove and Replace Parking Lot for Geothermal Wells	10,000	sf	35.00	$350,000
	DIRECT COSTS SUBTOTAL				**$2,375,600**
	Prime Contractor General Conditions			15.00%	$356,340
	Design / Estimating Contingency			20.00%	$71,268
	Prime Contractor Markups (Insurance, Bond, OH & P, B&O Tax)			10.00%	$280,321
	Escalation to Midpoint (Q3, 2024)			10.00%	$308,353
	TOTAL ESTIMATED CONSTRUCTION COSTS				**$3,391,882**

5	VRF w/ HRU				
	Roofing				
	Roof Patch, Flashing & Roof Curbs for New Mech. Equipment	1	ls	15,000.00	$15,000
	Interiors				
	Cut and Patch of Interior Construction and Finishes				
	Remove and Replace for New Refrigerant Piping and VRF Units	43,300	gsf	3.00	$129,900
	Mechanical & Electrical				
	Mechanical System Costs - VRF w/ HRU	1	ls	1,650,000	$1,650,000
	Electrical Costs	1	ls	130,111.00	$130,111
	Building Selective Demolition				
	Demolition included in figures above			-	$0
	Hazardous Material Abatement - EXCLUDED			-	$0
	DIRECT COSTS SUBTOTAL				**$1,925,011**
	Prime Contractor General Conditions			15.00%	$288,752
	Design / Estimating Contingency			20.00%	$57,750
	Prime Contractor Markups (Insurance, Bond, OH & P, B&O Tax)			10.00%	$227,151
	Escalation to Midpoint (Q3, 2024)			10.00%	$249,866
	TOTAL ESTIMATED CONSTRUCTION COSTS				**$2,748,531**

Project Owner:	**WA State Department of Ecology**	Architect:	Integrus
Project Name:	**Office MEP Retrofits**	Duration:	TBD
Project Location:	Spokane, WA	Project GSF:	-
Start Date:	Q2, 2024	Site GSF:	-
Estimate Date:	January 11, 2023		

ALTERNATE ESTIMATES SUMMARY					
No.	Description	Quantity	Unit of Measure	Unit Cost	Total Estimated Cost
1	Portable Generator	1	ls		$363,405
2	Permanent Generator	1	ls		$549,500
3	Permanent Generator w/ Fuel Oil System	1	ls		$605,544
4	Permanent Generator w/ Fuel Oil System & Load Bank	1	ls		$568,338
5	Perm. Gen. w/ Fuel Oil, Load Bank & Portable Gen. Connect	1	ls		$603,267

COMMENTS:

Design, Bid, Build delivery method is assumed

Assumes a Q2, 2024 construction start

Each Total Estimated Cost(s) are inclusive of prime contractor general conditions, mark ups and escalation

Mechanical and Electrical pricing were provided by MW Engineers

Estimate excludes soft costs such as design fees, permits, testing / inspections, construction change order contingencies, loose fixtures / furnishings and sales tax.

DETAILED ALTERNATE ESTIMATES		Quantity	Unit of Measure	Unit Cost	Total Estimated Cost
Alt No.	Description				
1	**Portable Generator**				
	Exterior Enclosure				
	Coring, Patching / Waterproofing for Electrical Routing Penetration	1	ls	10,000.00	$10,000
	Electrical				
	Portable Generator (system pricing complete)	1	ls	205,205.00	$205,205
	Sitework				
	Remove and Replace Parking Lot for Electrical Routing	250	sf	35.00	$8,750
	Generator House Keeping Pad	150	sf	30.00	$4,500
	Generator Chain-Link Enclosure	1	ls	15,000.00	$15,000
	DIRECT COSTS SUBTOTAL				**$243,455**
	Prime Contractor General Conditions			15.00%	$36,518
	Design / Estimating Contingency			20.00%	$7,304
	Prime Contractor Markups (Insurance, Bond, OH & P, B&O Tax)			15.00%	$43,092
	Escalation to Midpoint (Q3, 2024)			10.00%	$33,037
	TOTAL ESTIMATED CONSTRUCTION COSTS				**$363,405**
2	**Permanent Generator**				
	Exterior Enclosure				
	Coring, Patching / Waterproofing for Electrical Routing Penetration	1	ls	10,000.00	$10,000
	Electrical				
	Permanent Generator (system pricing complete)	1	ls	329,875.00	$329,875
	Sitework				
	Remove and Replace Parking Lot for Electrical Routing	250	sf	35.00	$8,750
	Generator House Keeping Pad	150	sf	30.00	$4,500
	Generator Chain-Link Enclosure	1	ls	15,000.00	$15,000
	DIRECT COSTS SUBTOTAL				**$368,125**
	Prime Contractor General Conditions			15.00%	$55,219
	Design / Estimating Contingency			20.00%	$11,044
	Prime Contractor Markups (Insurance, Bond, OH & P, B&O Tax)			15.00%	$65,158
	Escalation to Midpoint (Q3, 2024)			10.00%	$49,955
	TOTAL ESTIMATED CONSTRUCTION COSTS				**$549,500**

3	**Permanent Generator w/ Fuel Oil System**				
	Exterior Enclosure				
	Coring, Patching / Waterproofing for Electrical Routing Penetration	1	ls	10,000.00	$10,000
	Electrical				
	Permanent Generator w/ Fuel Oil System Generator (system pricing complete)	1	ls	354,670.00	$354,670
	Sitework				
	Remove and Replace Parking Lot for Electrical Routing	300	sf	35.00	$10,500
	Generator / Fuel Oil Tank House Keeping Pads	350	sf	30.00	$10,500
	Generator Chain-Link Enclosure	1	ls	20,000.00	$20,000
	DIRECT COSTS SUBTOTAL				**$405,670**
	Prime Contractor General Conditions			15.00%	$60,851
	Design / Estimating Contingency			20.00%	$12,170
	Prime Contractor Markups (Insurance, Bond, OH & P, B&O Tax)			15.00%	$71,804
	Escalation to Midpoint (Q3, 2024)			10.00%	$55,049
	TOTAL ESTIMATED CONSTRUCTION COSTS				**$605,544**
4	**Permanent Generator w/ Fuel Oil System & Load Bank**				
	Exterior Enclosure				
	Coring, Patching / Waterproofing for Electrical Routing Penetration	1	ls	10,000.00	$10,000
	Electrical				
	Permanent Generator w/ Fuel Oil System Generator (system pricing complete)	1	ls	329,745.00	$329,745
	Sitework				
	Remove and Replace Parking Lot for Electrical Routing	300	sf	35.00	$10,500
	Generator / Fuel Oil Tank House Keeping Pads	350	sf	30.00	$10,500
	Generator Chain-Link Enclosure	1	ls	20,000.00	$20,000
	DIRECT COSTS SUBTOTAL				**$380,745**
	Prime Contractor General Conditions			15.00%	$57,112
	Design / Estimating Contingency			20.00%	$11,422
	Prime Contractor Markups (Insurance, Bond, OH & P, B&O Tax)			15.00%	$67,392
	Escalation to Midpoint (Q3, 2024)			10.00%	$51,667
	TOTAL ESTIMATED CONSTRUCTION COSTS				**$568,338**

5	Perm. Gen. w/ Fuel Oil, Load Bank & Portable Gen. Connect				
	Exterior Enclosure				
	Coring, Patching / Waterproofing for Electrical Routing Penetration	1	ls	10,000.00	$10,000
	Electrical				
	Permanent Generator w/ Fuel Oil System Generator (system pricing complete)	1	ls	353,145.00	$353,145
	Sitework				
	Remove and Replace Parking Lot for Electrical Routing	300	sf	35.00	$10,500
	Generator / Fuel Oil Tank House Keeping Pads	350	sf	30.00	$10,500
	Generator Chain-Link Enclosure	1	ls	20,000.00	$20,000
	DIRECT COSTS SUBTOTAL				**$404,145**
	Prime Contractor General Conditions			15.00%	$60,622
	Design / Estimating Contingency			20.00%	$12,124
	Prime Contractor Markups (Insurance, Bond, OH & P, B&O Tax)			15.00%	$71,534
	Escalation to Midpoint (Q3, 2024)			10.00%	$54,842
	TOTAL ESTIMATED CONSTRUCTION COSTS				**$603,267**



601 West First Avenue, Suite 1300
Spokane, WA 99201, USA

EASTERN REGIONAL OFFICE
OPTIONAL STANDBY POWER STUDY

DATE March 15, 2023

PROJECT Building Services Study - Optional Power
Eastern Regional Office
4601 N Monroe St
Spokane, WA 99205

CONTACTS

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SECTION 1

Section 1 – Executive Summary

The existing building will be utilized as an operations center if departmental headquarters building in Lacey, WA cannot be occupied. To support this function, continuity of electric power is essential. Multiple concepts were considered and evaluated for optional standby concepts. Viable concepts were developed into the options presented herein.

SECTION 2

Section 2 - Introduction

MW was contacted by Dept. of Enterprise Services (DES) regarding the provision of generator backup for the entire Ecology Dept. - Eastern Regional Office building located at 4601 N Wall St, Spokane WA 99205. MW met with Integrus Architecture, DES, and Ecology Dept. facilities personnel onsite to discuss their concerns and desired outcomes. Based on discussions during the meeting, it was determined that MW would perform a study to evaluate options and costs estimates for generator options.

MW reviewed the Record Drawings depicting the electrical distribution system, available utility metering data, and Contract Documents for the 21-114 ECY Switch Gear Project depicting the replacement of the existing switchboard to be installed in Spring-2023.

Refer to **Section 3** for a detailed discussion of the existing conditions.

Refer to **Section 4** for analysis of historic electric utility data, load calculations, and recommended equipment ratings.

Refer to **Section 5** for proposed options for generator and transfer equipment.

Refer to **Section 6** for a discussion of recommendations for generator systems based upon priorities.

Throughout this report, specific terminology is used to discuss equipment, some of which is unique to the electrical industry and not widely used elsewhere, refer to **Section 7** for definitions of technical terms used throughout this report.

SECTION 3

Section 3 - Findings

Existing Conditions

Eastern Regional Office

Refer to ***21-114 ECY Switch Gear Project Study*** – Final Report dated May 21, 2021, for more detailed description of the existing electrical distribution system.

The existing Dept. of Ecology Eastern Regional Office building is supplied from a an Avista Utilities pad mounted utility transformer (#AVE30820) and junction enclosure located in a parking island west of the building *(see Figure 1)*. This transformer is rated at 300kVA, 208Y/120V. Electric utility metering is provided by CT's mounted inside the XFMR enclosure and wired to a stanchion mounted meter base. Avista Utilities meter [#00042105] provides net-metering (kW and kWh) for the building.

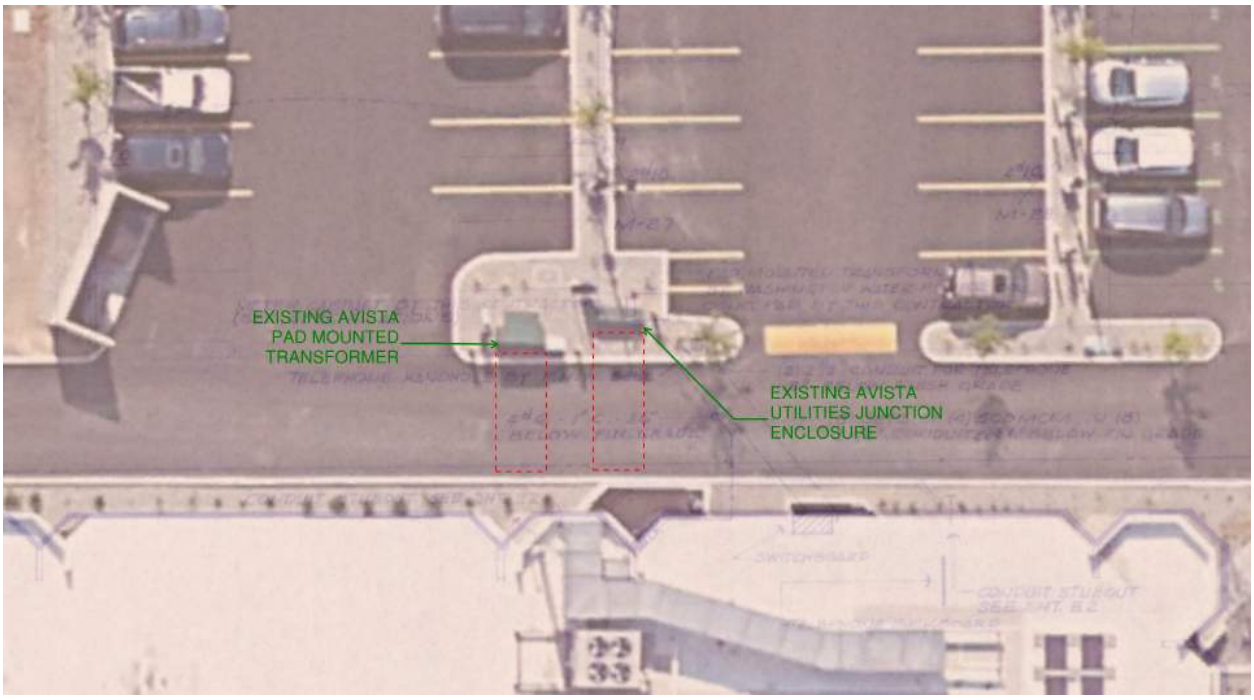


Figure 1 – Existing Avista Utilities Pad-Mounted Transformer and Junction Enclosure

Utilization voltage is supplied from the pad mounted utility transformer to the existing electric service equipment *(see Figure 2)* through an underground service consisting of 10 Sets of 4#500 MCM (AL) – 3-1/2" C entering the rear of the enclosure near the top of the housekeeping curb and terminating in a service switchboard rated at 2500A and equipped with two main breakers rated 3P-2000A and 3P-1200A, respectively. This equipment is obsolete and multiple latent code violations exist.

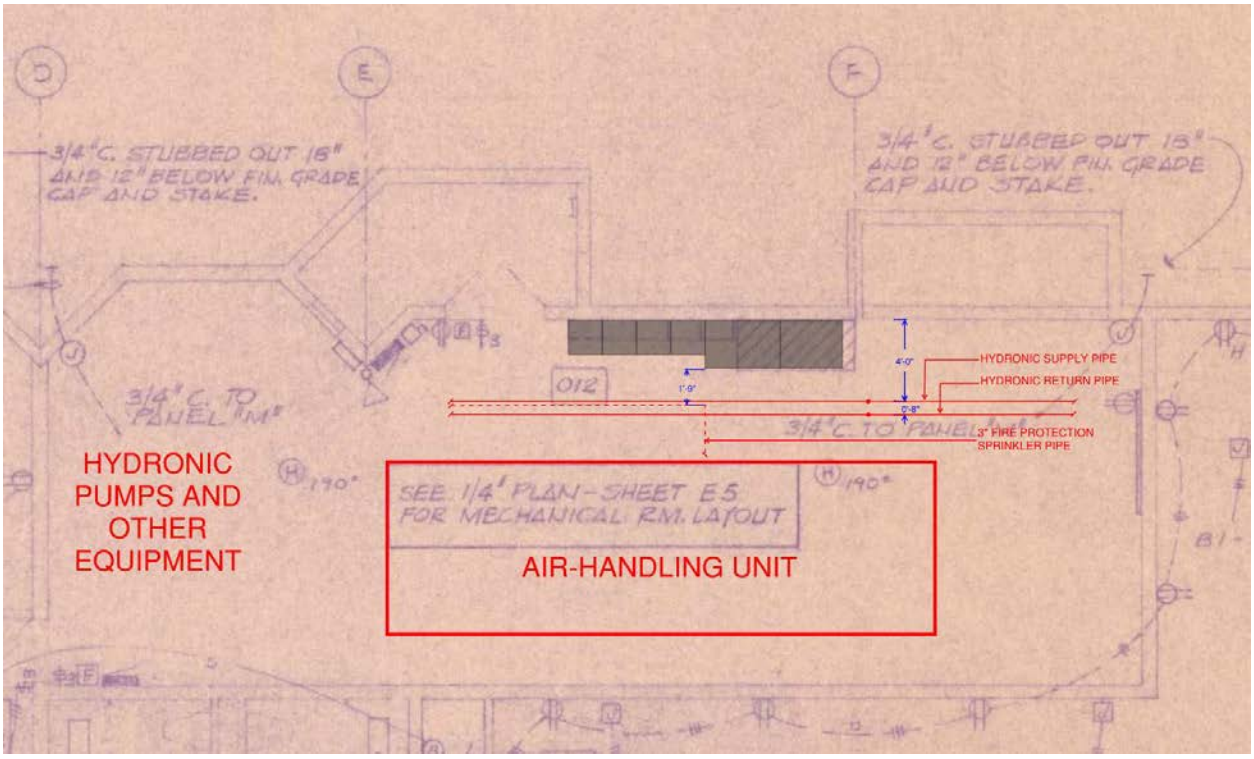


Figure 2 – Existing Electric Service Equipment

The existing electrical service equipment is scheduled to be replaced with a new 1200A, main circuit breaker switchboard *(see Figure 3)* under a separate project ***22-280 ECY Main Switchgear Replacement*** in Spring-2023.

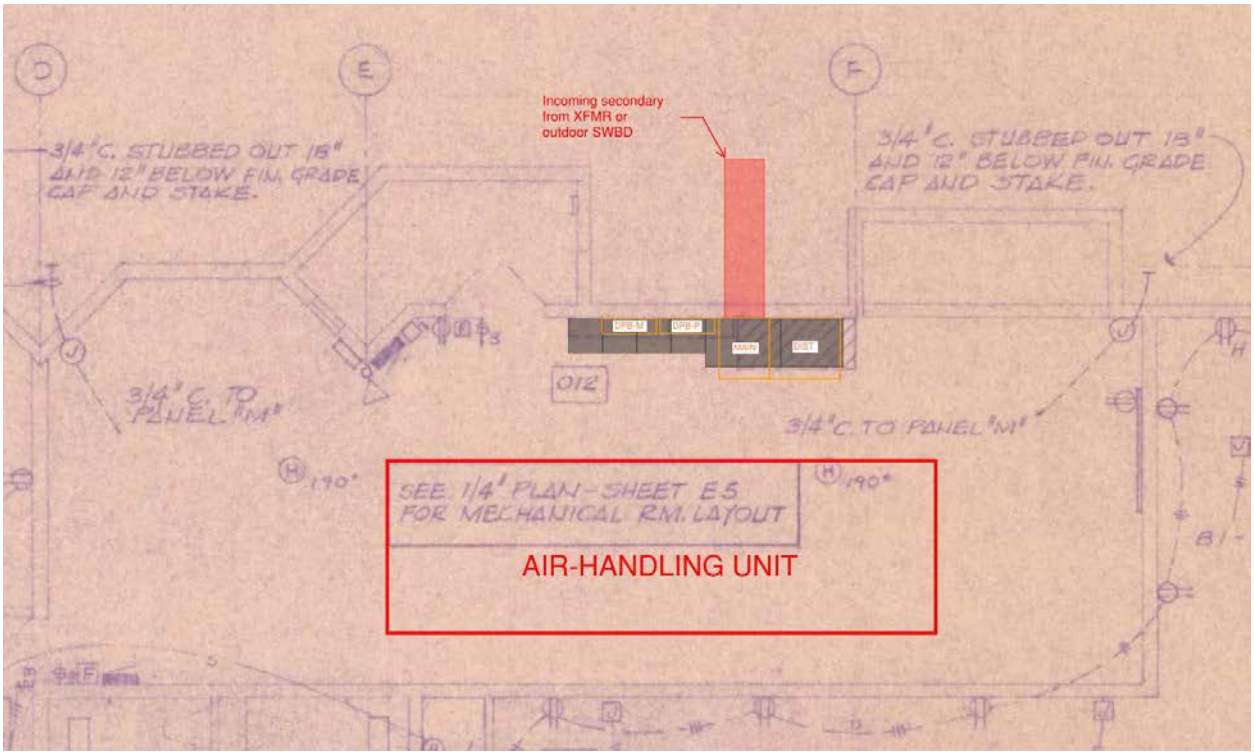


Figure 3 – New Electric Service Equipment

Eastern Regional Office

The existing Annex Building is supplied from a an Avista Utilities pad mounted utility transformer (#AVE31613) located south of the parking lot north of the Annex Building and south of the Eastern Regional Office west parking lot *(see Figure 4)*.

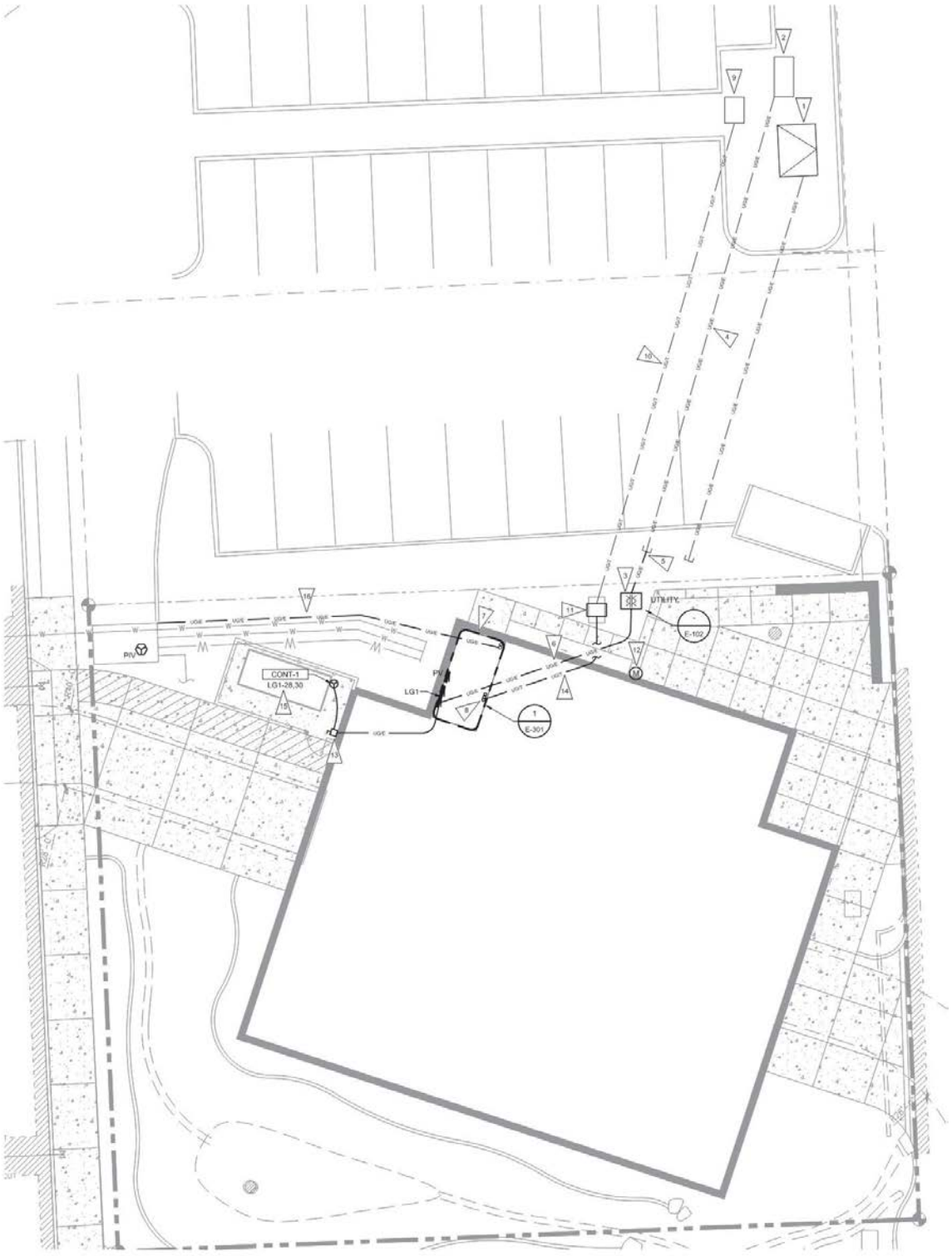


Figure 4 – Existing Site Plan – Annex Building

This transformer is rated at 45kVA, 208Y/120V. Electric utility metering is provided by CT's mounted inside the XFMR enclosure and wired to a stanchion mounted meters for the building.

Utilization voltage is supplied from the pad mounted utility transformer to the existing electric service equipment *(see Figure 4)* through an underground service consisting of 2 Sets of 4#3/0 MCM (CU) – 2" C entering the service entrance equipment under slab and terminating *(see Figure 5)*.

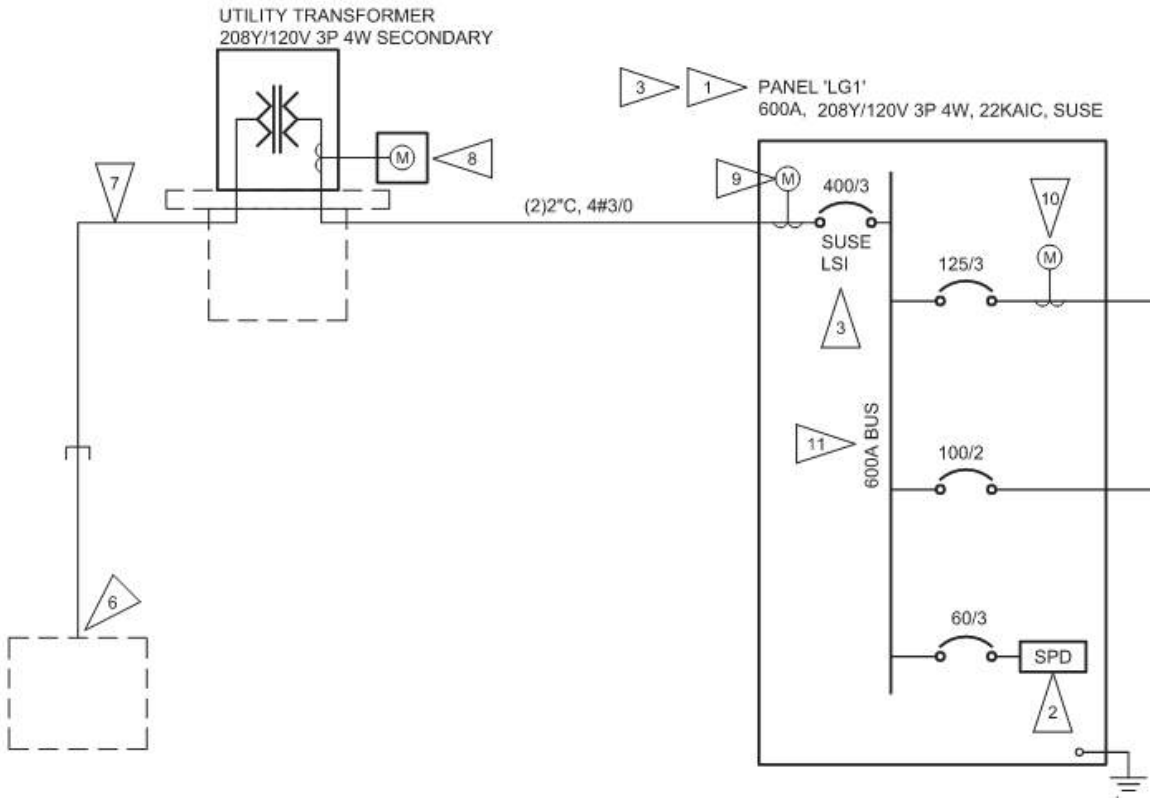


Figure 5 – Existing One-Line Diagram – Annex Building

SECTION 4

Section 4 - Analysis

Refer to ***21-114 ECY Switch Gear Project Study*** – Final Report dated May 21, 2021, for more detailed description of the existing electrical distribution system.

Owner provided utility data from July 1994 to mid-2021. Peak Demand (kW) data from the utility and 12-Month Average Peak Demand (kW) indicate a steady decline in the electrical load *(see Tale 4.1).*

Table 4.1 – Summary of Peak Demand Data and Service Calculations

Year	Peak Demand (kW)	12-Month Average Peak Demand	Peak Apparent Power (kVA)	Peak Apparent Power with NEC 220.87 Safety Factor	12-Month Average Peak Apparent Power	Peak Demand Current (A)	Minimum Service Rating	Recommended Minimum Service Rating
Peak (all years)	540	228	600	750	317	2082	2100	2500
2001-2020	198	156	220	275	217	763	800	1200
2002-2020	162	151	180	225	209	625	700	1200
2003-2020	162	123	180	225	171	625	700	1200
2004-2020	159	123	177	221	171	613	700	1200
2005-2020	159	122	177	221	169	613	700	1200
2006-2020	159	122	177	221	169	613	700	1200
2007-2020	159	111	177	221	154	613	700	1200
2008-2020	156	111	173	217	154	601	700	1200
2009-2020	156	105	173	217	145	601	700	1200
2010-2020	153	105	170	213	145	590	600	1200
2011-2020	135	103	150	188	142	520	600	1200
2012-2020	135	94	150	188	131	520	600	1200
2013-2020	135	94	150	188	131	520	600	1200
2014-2020	135	94	150	188	131	520	600	1200
2015-2020	128	93	142	178	129	493	500	1200
2016-2020	128	91	142	178	126	493	500	1200
2017-2020	118	83	131	164	116	455	500	1200
2018-2020	118	83	131	164	116	455	500	1200
2019-2020	118	83	131	164	116	455	500	1200

Peak Apparent Power is calculated by dividing the Peak Demand (kW) by an average power factor of 0.9. When Peak Demand metering data is utilized for load calculation purposes, NEC 220.87 requires the application of a 125% Safety Factor. Assuming that the load is effectively "balanced" across all three phases, the Monthly Peak Current is calculated by dividing the Peak Apparent Power with NEC 220.87 Safety Factor by the utilization voltage of 208Y/120V *(see Exhibit A)*.

The above data was utilized to establish the new main service switchboard rating at 1200A. This equipment has been procured and will be installed in Spring 2023. To provide whole building generator backup, the minimum rating of the automatic transfer equipment must match the main service switchboard rating at 1200A.

The generator must be adequately rated to exceed the peak demand with NEC Safety Factors plus sufficient surge capacity to accommodate motor starting. The minimum generator rating that can deliver the full load current rating of 1200A at 208Y/120V with excess surge current capacity is 400kW.

SECTION 5

Section 5 - Options

To develop multiple viable options for optional standby power, numerous concepts were considered and evaluated based upon the following criteria: 1) backup for the entire building, 2) minimum 96-hour run time, 3) compliance with local emissions regulations, and 4) acoustic performance minimizing noise trespass to adjacent properties.

Options Considered but Not Recommended

Potential options that did not satisfy all four of the above criteria or were otherwise deemed to be unsuitable for this specific site and application were considered but not further evaluated. This includes renewable and alternative energy solutions in accordance with RCW 43.19.651 states:

> **Fuel cells and renewable or alternative energy sources.**
> (1) When planning for the capital construction or renovation of a state facility, state agencies shall consider the utilization of fuel cells and renewable or alternative energy sources as a primary source of power for applications that require an uninterruptible power source.
> (2) When planning the purchase of backup or emergency power systems and remote power systems, state agencies shall consider the utilization of fuel cells and renewable or alternative energy sources instead of batteries or internal combustion engines.
> (3) The director of enterprise services shall develop criteria by which state agencies can identify, evaluate, and develop potential fuel cell applications at state facilities.
> (4) For the purposes of this section, "fuel cell" means an electrochemical reaction that generates electric energy by combining atoms of hydrogen and oxygen in the presence of a catalyst.

Part (1) above was not considered because the scope of this study is limited to the evaluation of options for optional standby power systems. The following options were considered but not further evaluated.

Lithium-Ion Batteries

Large-scale lithium-ion battery storage systems with adequate capacity for this application are commercially available but are considerably more expensive than comparable engine-generator systems and are typically installed in a microgrid configuration coupled with similarly sized solar photovoltaic arrays that replenish the battery daily. This option was rejected based upon multiple factors including: 1) runtime limited to approximately 2 hours, 2) service life of 10 years, and 3) substantial additional capital cost and site area required to achieve comparable runtime.

Solar Photovoltaic (PV)

The facility has an existing solar photovoltaic array located at the north end of the roof. This array is rated at approximately 18.53 kW and is grid-connected for net-metering and equipped with a production meter. Additional roof area exists for expansion of the rooftop solar photovoltaic system to the south end of the roof and potentially on the site. To be a viable as an alternative to an engine-generator system, a solar photovoltaic system would need to be coupled with a large-scale battery storage system with approximately 1-2 days runtime are typically be installed in a microgrid configuration that replenishes the battery daily. This option was rejected based upon multiple factors including: 1) inadequate roof or site area to facilitate the deployment of an adequate capacity system, 2) energy storage system, and 3) substantial additional capital cost and site area required to achieve comparable capacity.

Fuel Cell

Large-scale fuel cell systems with adequate capacity for this application are commercially available but are considerably more expensive than comparable engine-generator systems. This option was rejected based upon multiple factors including: 1) ability of equipment to modulate output with demand, 2) natural gas service capacity, and 3) substantially higher capital cost for comparable capacity system.

Options Considered and Evaluated

The following options satisfied all four criteria and were evaluated further:

All Options

Disruptions to tenants:

A protracted interruption to building power will be required to implement this option. Remove the existing underground service entrance conductors between the secondary *(low-voltage side)* lugs of the Avista Utilities pad-mounted transformer and intercept existing conduits under the driveway west of the building. Install new conduit and conductors from the service entrance transfer switch to the transformer secondary and the service equipment in the basement.

Option 1 – Automatic Transfer Switch with Portable Generator Connections *(see Exhibit 1.1)*

Provide new 1200A service entrance rated automatic transfer switch and portable generator connection cabinet in the motorcycle parking spaces north of the existing Avista Utilities junction enclosure in the parking lot island west of the building.



The generator connection cabinet accommodates the temporary connection utilizing industry-standard Camlock Series 16 connectors of a portable generator. The automatic transfer switch continuously monitors the status of utility power and automatically starts the generator and transfers the building to the portable generator. When utility power is restored, the automatic transfer switch will retransfer the building to utility power.

Figure 4 – Generator Connection Cabinet

Option 2 – Permanent Diesel Generator w/ Bulk Fuel Oil Tank and Automatic Transfer Switch with Portable Generator & Load Bank Connections *(see Exhibit 1.2)*



Provide a new 1200A service entrance rated automatic transfer switch with portable generator & load bank connections in the motorcycle parking spaces north of the existing Avista Utilities junction enclosure in the parking lot island west of the building and a new 400kW permanent Tier 4 certified diesel generator with sound attenuated weatherproof enclosure and 4,000-gallon fuel oil storage tank in the parking spaces west of the parking island. A screen wall or fence would enclose the Avista Utilities equipment, generator, and fuel oil tank.

The automatic transfer switch continuously monitors the status of utility power and automatically starts the generator and transfers the building to the permanent generator. When utility power is restored, the automatic transfer switch will retransfer the building to utility power.

Figure 5 – Automatic Transfer Switch

The connection cabinet accommodates the temporary connection utilizing industry-standard Camlock Series 16 connectors of a portable generator during generator maintenance or in case of generator failure and a portable load ban during routine testing.

Option 3 – Permanent Diesel Generator with Fuel Oil System w/ Bulk Fuel Oil Tank & Maintenance System and Automatic Transfer Switch with Portable Generator & Load Bank Connections (see Exhibit 1.3)

This option is identical to Option 2 with the addition of a fuel oil maintenance system that automatic cleans the fuel oil to remove moisture and impurities prolonging fuel storage time.

Option 4 - Permanent Diesel Generator with Sub-Base Fuel Oil Tank and Automatic Transfer Switch with Portable Generator & Load Bank Connections (see Exhibit 1.4)

This Option is identical to Option 2 but replaces the 4,000-gallon fuel oil tank with a sub-base tank mounted directly below the generator and will reduce the number of parking spaces eliminated and preserves the motorcycle parking spaces.

Option 5 - Permanent Natural Gas Generator and Automatic Transfer Switch with Portable Generator & Load Bank Connections (see Exhibit 1.5)

This Option is identical to Option 4 but replaces the sub-base tank fuel oil tank with piped natural gas from the meter located on the west exterior façade of the building and will provide indefinite runtime provided natural gas is available.

Option 6 – Add Permanent 400kW Load Bank

This Option is compatible with Options 2 through 5 and consists of a permanently installed fan-cooled resistive load bank utilized for routine generator testing. Diesel generators that routinely operate at less than 30% load greatly benefit from load bank testing by operating at higher temperatures preventing “wet-stacking” the exhaust system thereby improving reliability and performance.

Option 7 – Add Hythane® System

This Option is compatible with Options 2 through 4 and consists of an electronic control system and piped natural gas connection that allows permanent diesel generators to operate on a 70/30 blend of natural gas and fuel oil which increases generator runtime to approximately 300-hours.

Option 8 – Add Automatic Transfer Switch for Annex Building

This Option is compatible with Options 2 through 5 and consists of a automatic transfer switch. The automatic transfer switch continuously monitors the status of utility power and automatically starts the generator and transfers the building to the permanent generator. When utility power is restored, the automatic transfer switch will retransfer the building to utility power.

SECTION 6

Section 6 – Recommendations and Costs

Tables 6.1 through 6.3 summarize the costs, run time, lead time, features and emissions for each option.

Table 6.1 – Option Costs and Lead Time

OPTION	DESCRIPTION	COST	LEAD TIME (WEEKS)
1	Portable Generator	$243,094	TBD
2	Permanent Diesel Generator	$549,500	74
3	Permanent Diesel Generator w/Fuel Oil System	$805,416	74
4	Permanent Diesel Generator w/Sub-Base Tank	$699,322	74
5	Permanent Natural Gas Generator	$834,486	78
6	Add Load Bank *(Options 2 through 5)*	$50,047	TBD
7	Add Hythane® System (Options 2 through 4)	$81,501	TBD
8	Add Annex Building *(Options 2 through 5)*	$97,026	n/a

Table 6.2 – Option Features

OPTION	DESCRIPTION	CONNECTIONS FOR PORTABLE EQUIPMENT		RUN TIME (HOURS)
		GENERATOR	LOAD BANK	
1	Portable Generator	X	-	Varies
2	Permanent Diesel Generator	X	X	96
3	Permanent Diesel Generator w/Fuel Oil System	X	X	96
4	Permanent Diesel Generator w/Sub-Base Tank	X	X	96
5	Permanent Natural Gas Generator	X	X	Indefinite
6	Add Load Bank *(Options 2 through 5)*	n/a	n/a	n/a

7	Add Hythane® System *(Options 2 through 4)*	n/a	n/a	300
8	Add Annex Building	n/a	n/a	n/a

Table 6.3 – Emissions Comparison

OPTION	DESCRIPTION	EMISSIONS (NOMINAL)[2] mg/Nm3 (g/hp-hr)			
		NOx	CO	HC	PM
1	Portable Generator	TBD	TBD	TBD	TBD
2	Permanent Diesel Generator	2313.9 (4.6)	616.5 (1.2)	4.0 (0.01)	21.3 (0.1)
3	Permanent Diesel Generator w/Fuel Oil System				
4	Permanent Diesel Generator w/Sub-Base Tank				
5	Permanent Natural Gas Generator	500 (1.0)	-	-	-
6	Add Load Bank *(Options 2 through 5)*	n/a	n/a	n/a	n/a
7	Add Hythane® System *(Options 2 through 4)*	TBD	TBD	TBD	TBD
8	Add Annex Building	n/a	n/a	n/a	n/a

Notes:

1. The “TBD” indicates that the specific emissions data is unavailable because the precise portable generator to be connected or hours of operation and loading of the Hythane® equipped permanent generator cannot be unknown.
2. The “-“ indicates that the manufacturer did not include this specific emissions data in the published literature.
3. The “n/a” indicates that this option is limited to the addition of a permanent load bank for periodic testing and does not directly contribute to emissions.

Conclusion

Option 1 provides the lowest first cost. Option 2 satisfies all four evaluation criteria at the lowest cost. Option 3 provides the highest degree of reliability. Options 4 and 5 utilize the small site area. Option 5 avoids diesel fuel oil and provide indefinite runtime. The preferred option will depend upon the features and benefits are more valued by the owner. Option 6 increases reliability particularly for Options 2 through 5. Option 7 increases runtime for Options 2 through 4. Option 8 provide standby power for the Annex Building.

SECTION 7

Section 7 – Definitions

Ampacity — The maximum amount of electric current a conductor or device can carry before sustaining immediate or progressive deterioration.

Ampere (A) — A unit of measure for the intensity of an electric current flowing in a circuit. One ampere is equal to a current flow of one coulomb per second.

Apparent Power - Measured in volt-amperes (VA). Apparent power is the product of the rms voltage and the rms current.

Automatic Transfer Switch — A device that automatically transfers a power supply from its primary source to a backup source when it senses a failure or outage in the primary source.

Circuit Breaker — An automatic device for stopping the flow of current in an electric circuit. To restore service, the circuit breaker must be reset (closed) after correcting the cause of the overload or failure. Circuit breakers are used in conjunction with protective relays to protect circuits from faults.

Conductor — Any material where electric current can flow freely. Conductive materials, such as metals, have a relatively low resistance. Copper and aluminum wire are the most common conductors.

Current (I) — The flow of an electric charge through a conductor. An electric current can be compared to the flow of water in a pipe. Measured in amperes.

Demand - The average value of power or related quantity over a specified period.

Emergency (NEC 700) — Those systems legally required and classed as emergency by municipal, state, federal, or other codes, or by any governmental agency having jurisdiction. These systems are intended to automatically supply illumination, power, or both, to designated areas and equipment in the event of failure of the normal supply of in the event of accident to elements of a system intended to supply, distribute, and control power and illumination essential for safety to human life.

Generator — A device for generating electricity that is used in the event of a failure of the regular power supply.

kVA – Kilo-volt-amperes, is a unit of apparent electrical power. 1 kilo-volt-ampere is equal to 1000 volt-ampere: 1kVA = 1000VA. kVA equals kW divided by the power factor.

kW – Kilowatt, is the unit of power. 1 kilowatt is equal to 1000 watts: 1 kW = 1000 W. kW equals kVA times power factor.

Load — Anything which consumes electrical energy, such as lights, transformers, heaters, and electric motors.

NEMA — National Electrical Manufacturers Association

Optional Standby (NEC 702) — Those system intended to supply power to public or private facilities or properties where life safety does not depend upon the performance of the system.

Power Factor — The ratio of the actual electrical power dissipated by an AC circuit to the product of the RMS. values of current and voltage. The difference between the two is caused by reactance in the circuit and represents power that does no useful work.

Service — The conductors and equipment used to deliver energy from the electrical supply system to the system being served.

Volt (V) — A unit measure of voltage. One volt is equal to the difference of potential that would drive one ampere of current against one ohm resistance.

Voltage — An electromotive force or "pressure" that causes electrons to flow and can be compared to water pressure which causes water to flow in a pipe. Measured in volts.

APPENDIX

EXHIBIT A

EXHIBIT A

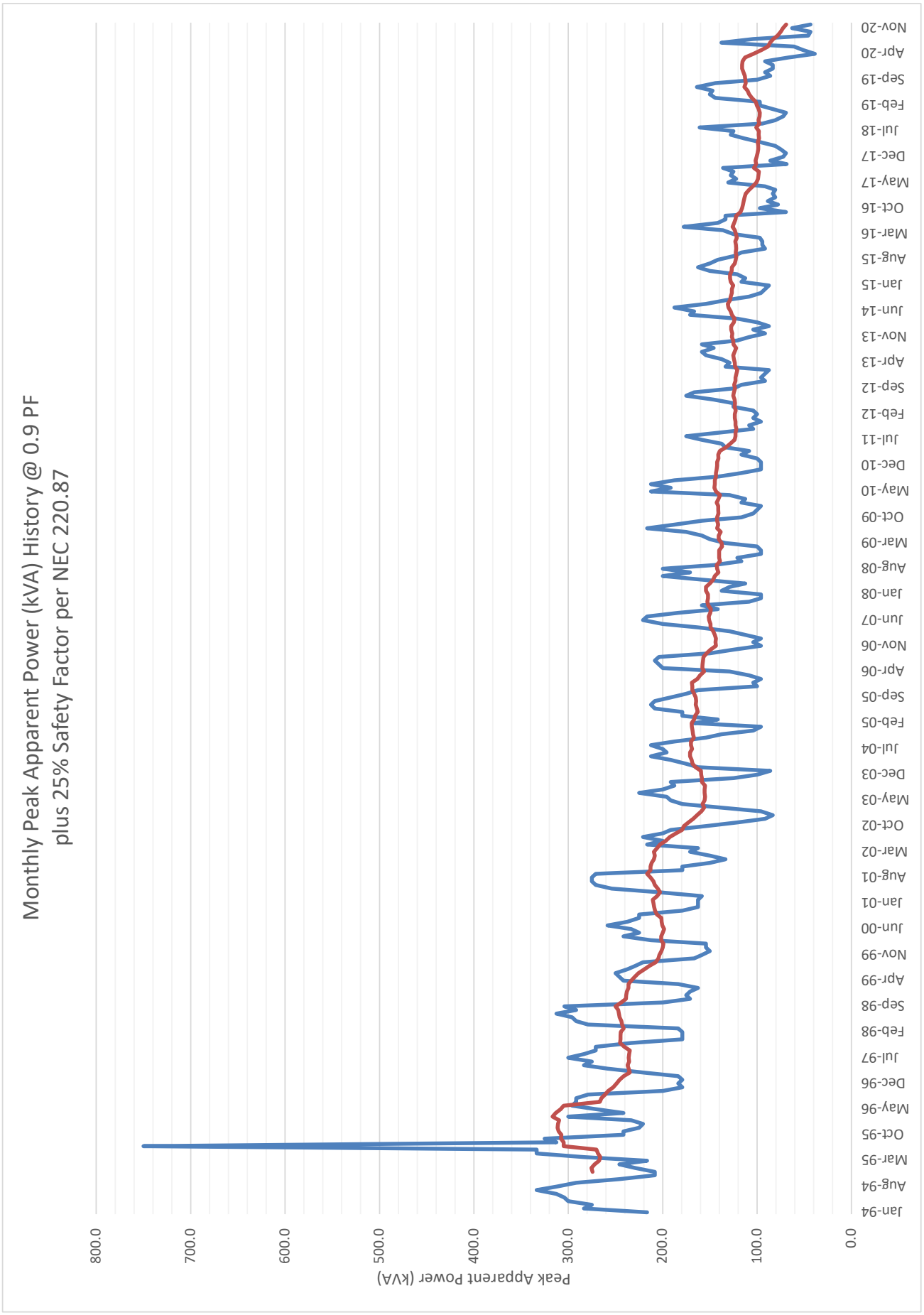

Monthly Peak Apparent Power (kVA) History @ 0.9 PF
plus 25% Safety Factor per NEC 220.87
Peak Apparent Power (kVA)
800.0
700.0
600.0
500.0
400.0
300.0
200.0
100.0
0.0
Jan-94
Aug-94
Mar-95
Oct-95
May-96
Dec-96
Jul-97
Feb-98
Sep-98
Apr-99
Nov-99
Jun-00
Jan-01
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Mar-16
Oct-16
May-17
Dec-17
Jul-18
Feb-19
Sep-19
Apr-20
Nov-20

EXHIBIT B

EXHIBIT B

EXECUTIVE SUMMARY

Office MEP Retrofits

January 25, 2023

PROJECT INFORMATION

Owner:	WA State Department of Ecology	Project Number	-
Name:	Office MEP Retrofits	Estimate Date:	January 25, 2023
Location:	Spokane, WA	Building Area:	43,300
		Site Area:	1
Seattle Office:	Roen Associates	Contact Name:	Matt Wiggins
	500 Union Street, Suite 927	Telephone:	(206) 343-1003
	Seattle, WA 98101	E-mail:	mattw@roenassociates.com
Spokane Office:	Roen Associates	Contact Name:	
	121 South Wall	Telephone:	(509) 838-8688
	Spokane, WA 99201	E-mail:	
Project Type:	MEP Systems Retrofit		
Estimate Level:	PreDesign Estimate		
Project Start:	Q2, 2024	Project Duration:	6 months

Documents Reviewed:

	Document	A / E / C Firm	Date
Drawings:	Conceptual Information Package	Integrus	12/13/2022
Reports:			

Project Owner:	**WA State Department of Ecology**	Architect:	Integrus
Project Name:	**Office MEP Retrofits**	Duration:	TBD
Project Location:	Spokane, WA	Project GSF:	-
Start Date:	Q2, 2024	Site GSF:	-
Estimate Date:	January 25, 2023		

OPTIONS ESTIMATES SUMMARY					
No.	Description	Quantity	Unit of Measure	Unit Cost	Total Estimated Cost
1	Portable Generator	1	ls		$243,094
2	Permanent Diesel Generator	1	ls		$549,500
3	Permanent Diesel Generator w/ Fuel Oil System	1	ls		$805,416
4	Permanent Diesel Generator w/ Sub-Base Tank	1	ls		$699,322
5	Permanent Natural Gas Gen. w/ Accessories	1	ls		$834,486
6	Add Load Bank to Other Options	1	ls		$50,047
7	Add Hythane to Other Options	1	ls		$81,501

COMMENTS:

Design, Bid, Build delivery method is assumed

Assumes a Q2, 2024 construction start

Each Total Estimated Cost(s) are inclusive of prime contractor general conditions, mark ups and escalation

Mechanical and Electrical pricing were provided by MW Engineers

Estimate excludes soft costs such as design fees, permits, testing / inspections, construction change order contingencies, loose fixtures / furnishings and sales tax.

Alt No.	DETAILED ALTERNATE ESTIMATES Description	Quantity	Unit of Measure	Unit Cost	Total Estimated Cost
1	**Portable Generator**				
	Exterior Enclosure				
	Coring, Patching / Waterproofing for Electrical Routing Penetration	1	ls	10,000.00	$10,000
	Electrical				
	Portable Generator (system pricing complete)	1	ls	124,605.00	$124,605
	Sitework				
	Remove and Replace Parking Lot for Electrical Routing	250	sf	35.00	$8,750
	Generator House Keeping Pad	150	sf	30.00	$4,500
	Generator Chain-Link Enclosure	1	ls	15,000.00	$15,000
	DIRECT COSTS SUBTOTAL				**$162,855**
	Prime Contractor General Conditions			15.00%	$24,428
	Design / Estimating Contingency			20.00%	$4,886
	Prime Contractor Markups (Insurance, Bond, OH & P, B&O Tax)			15.00%	$28,825
	Escalation to Midpoint (Q3, 2024)			10.00%	$22,099
	TOTAL ESTIMATED CONSTRUCTION COSTS				**$243,094**
2	**Permanent Diesel Generator**				
	Exterior Enclosure				
	Coring, Patching / Waterproofing for Electrical Routing Penetration	1	ls	10,000.00	$10,000
	Electrical				
	Permanent Diesel Generator (system pricing complete)	1	ls	329,875.00	$329,875
	Add Load Bank				See Add Alt.
	Add Hythane				See Add Alt.
	Sitework				
	Remove and Replace Parking Lot for Electrical Routing	250	sf	35.00	$8,750
	Generator House Keeping Pad	150	sf	30.00	$4,500
	Generator Chain-Link Enclosure	1	ls	15,000.00	$15,000
	DIRECT COSTS SUBTOTAL				**$368,125**
	Prime Contractor General Conditions			15.00%	$55,219
	Design / Estimating Contingency			20.00%	$11,044
	Prime Contractor Markups (Insurance, Bond, OH & P, B&O Tax)			15.00%	$65,158
	Escalation to Midpoint (Q3, 2024)			10.00%	$49,955
	TOTAL ESTIMATED CONSTRUCTION COSTS				**$549,500**

3	**Permanent Diesel Generator w/ Fuel Oil System**				
	Exterior Enclosure				
	Coring, Patching / Waterproofing for Electrical Routing Penetration	1	ls	10,000.00	$10,000
	Electrical				
	Permanent Generator w/ Fuel Oil System Generator (system pricing complete)	1	ls	488,570.00	$488,570
	Add Load Bank				See Add Alt. Above
	Add Hythane				See Add Alt. Above
	Sitework				
	Remove and Replace Parking Lot for Electrical Routing	300	sf	35.00	$10,500
	Generator / Fuel Oil Tank House Keeping Pads	350	sf	30.00	$10,500
	Generator Chain-Link Enclosure	1	ls	20,000.00	$20,000
	DIRECT COSTS SUBTOTAL				**$539,570**
	Prime Contractor General Conditions			15.00%	$80,936
	Design / Estimating Contingency			20.00%	$16,187
	Prime Contractor Markups (Insurance, Bond, OH & P, B&O Tax)			15.00%	$95,504
	Escalation to Midpoint (Q3, 2024)			10.00%	$73,220
	TOTAL ESTIMATED CONSTRUCTION COSTS				**$805,416**
4	**Permanent Diesel Generator w/ Sub-Base Tank**				
	Exterior Enclosure				
	Coring, Patching / Waterproofing for Electrical Routing Penetration	1	ls	10,000.00	$10,000
	Electrical				
	Permanent Generator w/ Sub-Base Tank (system pricing complete)	1	ls	417,495.00	$417,495
	Add Load Bank				See Add Alt. Above
	Add Hythane				See Add Alt. Above
	Sitework				
	Remove and Replace Parking Lot for Electrical Routing	300	sf	35.00	$10,500
	Generator / Fuel Oil Tank House Keeping Pads	350	sf	30.00	$10,500
	Generator Chain-Link Enclosure	1	ls	20,000.00	$20,000
	DIRECT COSTS SUBTOTAL				**$468,495**
	Prime Contractor General Conditions			15.00%	$70,274
	Design / Estimating Contingency			20.00%	$14,055
	Prime Contractor Markups (Insurance, Bond, OH & P, B&O Tax)			15.00%	$82,924
	Escalation to Midpoint (Q3, 2024)			10.00%	$63,575
	TOTAL ESTIMATED CONSTRUCTION COSTS				**$699,322**

5	**Permanent Natural Gas Gen. w/ Accessories**				
	Exterior Enclosure				
	Coring, Patching / Waterproofing for Electrical Routing Penetration	1	ls	10,000.00	$10,000
	Electrical				
	Permanent Natural Gas Generator w/ Portable Generator Connection & Load Bank (system pricing complete)	1	ls	487,045.00	$487,045
	Add Load Bank				See Add Alt.
	Add Hythane				See Add Alt.
	Sitework				
	Natural Gas Line - Included w/ Electrical Number	300	lf	35.00	$10,500
	Remove and Replace Parking Lot for Electrical Routing & Gas Line	600	sf	35.00	$21,000
	Generator House Keeping Pads	350	sf	30.00	$10,500
	Generator Chain-Link Enclosure	1	ls	20,000.00	$20,000
	DIRECT COSTS SUBTOTAL				**$559,045**
	Prime Contractor General Conditions			15.00%	$83,857
	Design / Estimating Contingency			20.00%	$16,771
	Prime Contractor Markups (Insurance, Bond, OH & P, B&O Tax)			15.00%	$98,951
	Escalation to Midpoint (Q3, 2024)			10.00%	$75,862
	TOTAL ESTIMATED CONSTRUCTION COSTS				**$834,486**
6	**Add Load Bank to Other Options**				
	Electrical				
	Add Load Bank	1	ls	33,528.00	$33,528
	SUBTOTAL				**$33,528**
	Prime Contractor General Conditions			15.00%	$5,029
	Design / Estimating Contingency			20.00%	$1,006
	Prime Contractor Markups (Insurance, Bond, OH & P, B&O Tax)			15.00%	$5,934
	Escalation to Midpoint (Q3, 2024)			10.00%	$4,550
	TOTAL ESTIMATED CONSTRUCTION COSTS				**$50,047**
7	**Add Hythane to Other Options**				
	Electrical				
	Add Hythane	1	ls	54,600.00	$54,600
	SUBTOTAL				**$54,600**
	Prime Contractor General Conditions			15.00%	$8,190
	Design / Estimating Contingency			20.00%	$1,638
	Prime Contractor Markups (Insurance, Bond, OH & P, B&O Tax)			15.00%	$9,664
	Escalation to Midpoint (Q3, 2024)			10.00%	$7,409
	TOTAL ESTIMATED CONSTRUCTION COSTS				**$81,501**
7	**Add Hythane to Other Options**				
	Electrical				
	Add Hythane	1	ls	54,600.00	$54,600
	SUBTOTAL				**$54,600**
	Prime Contractor General Conditions			15.00%	$8,190
	Design / Estimating Contingency			20.00%	$1,638
	Prime Contractor Markups (Insurance, Bond, OH & P, B&O Tax)			15.00%	$9,664
	Escalation to Midpoint (Q3, 2024)			10.00%	$7,409
	TOTAL ESTIMATED CONSTRUCTION COSTS				**$81,501**



MW Engineers
601 West First Avenue, Suite 1300
Spokane, WA 99201, USA

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:01PM

Project Number: **40000605**
Project Title: **2023-25 Zosel Dam Preservation**

Description

Starting Fiscal Year: 2024
Project Class: Preservation
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the State Building Construction Account to complete a series of repair projects at the Zosel Dam to ensure proper operation and long-term protection of this asset. The dam is a critical piece of state infrastructure owned and operated by Ecology under the authority of RCW 43.21A.450. Based on a contracted engineering assessment completed in December 2020, this request will continue to support several projects at the facility, including the immediate repair of electrical and gate systems to eliminate deficiencies in the structure. These investments will help ensure the dam is functioning properly to better protect public safety at the dam site and downstream.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

This project requires a total of 0.23 FTE to provide project oversight and management, technical assistance, and stakeholder coordination to individual components of preservation projects, coordination with the IJC, and cooperation and communication with Canadian water managers.?

Proviso

None

Location

City: Oroville **County:** Okanogan **Legislative District:** 007

Project Type

Infrastructure (Major Projects)

Growth Management impacts

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	5,549,000		274,000	5,275,000	
	Total	**5,549,000**	**0**	**274,000**	**5,275,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:01PM

Project Number: 40000605
Project Title: 2023-25 Zosel Dam Preservation

Operating Impacts

No Operating Impact

OFM

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:08PM

Project Number: **40000570**
Project Title: **Elevator Restorations at Ecology Facilities**

Description

Starting Fiscal Year: 2024
Project Class: Preservation
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the State Building Construction Account to restore elevators in three of Ecology's facilities. The elevators serving Ecology's Lacey Headquarters Building, Eastern Regional Office, and Padilla Bay Reserve have, or are on the verge of exceeding their rated life expectancy, and need to be modernized. Obsolescence has become an issue, as the circuit boards, relays, and other replacement parts are no longer available, and the elevators are requiring attention that far exceeds regular maintenance. This is significantly driving up the cost of keeping these elevators reliable and operational.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Proviso

N/A

Location

City: Lacey **County:** Thurston **Legislative District:** 022
City: Mount Vernon **County:** Skagit **Legislative District:** 040

Project Type

Facility Preservation (Minor Works)

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	1,735,000			1,735,000	
	Total	**1,735,000**	**0**	**0**	**1,735,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:59PM

Project Number: **40000193**
Project Title: **Zosel Dam Preservation**

Description

Starting Fiscal Year: 2020
Project Class: Preservation
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the State Building Construction Account to maintain and operate the Zosel Dam facility using best practices designed to protect this state asset. Zosel Dam is a critical piece of state infrastructure owned and operated by Ecology under the authority of RCW 43.21A.450. Funding will support several immediate, one-time projects at the facility. These include structural assessment, dredging the channel to restore flow functions, applying rip-rap erosion control, and implementing various preventative maintenance projects. These projects will allow Ecology to protect the dam structure and conform to all applicable state and federal laws related to operating this facility. These investments will help ensure the dam is functioning properly to better protect public safety at the dam site and downstream.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

See attached project list for detailed subproject descriptions, statuses, and reappropriation explanations.

Location

City: Oroville **County:** Okanogan **Legislative District:** 007

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	217,000	137,000	2,000	78,000	
	Total	**217,000**	**137,000**	**2,000**	**78,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

Ecology Capital Reappropriation Project List

August 2024

Purpose: Identify the subprojects, status, and justification for 2025-27 capital reappropriation requests that were originally funded prior to the 2021-23 biennium. Amount remaining based on expenditures through June 2024.

40000193	Zosel Dam Preservation

Project Title	Project Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Zosel Dam Maintenance and Improvements.	Funding provided for structural improvements to Zosel Dam that are ongoing.	Funds are in the process of being obligated and spent to complete structural improvements to Zosel Dam until work is completed.	Ecology continues work on Zosel Dam improvements during the current biennium and depending on conditions, may require work to continue during the 2025-27 biennium.	78,130	Oroville	Okanogan	7	49	48.93	119.42
TOTAL				**78,130**						

Department of Ecology
2025-2035 Capital Budget

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Capital Project Request

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/30/2024 10:11AM

Project Number: **40000722**
Project Title: **Product Testing Laboratory Construction**

Description

Starting Fiscal Year: 2026
Project Class: Program
Agency Priority: 14

Project Summary

Washington State is a national leader in consumer protection. Ecology's Product Testing Team uses cutting-edge science to test for toxics in consumer products available for retail or online sale. This science helps support regulatory actions against products and manufacturers not in compliance with state laws. Ecology received funding in the 2021-23 and 2023-25 biennium for feasibility and predesign studies for a Product Testing Laboratory. This request, based on the recommendations of those studies, would fund the construction of the laboratory in Ecology's Lacey Building. The Product Testing Laboratory is necessary to meet the requirements of the Children's Safe Product Act (CSPA), the Safer Products for Washington Act, and the Toxic Free Cosmetics Act. In addition, it would enhance the state's ability to test for Polychlorinated Biphenyls and identify new and emerging toxics. (State Building Construction Account)

Project Description

What is the proposed project?

Ecology is requesting $16,969,000 to construct a laboratory in the basement of Ecology's Headquarters Building.

Ecology received funding in the 2021-23 operating budget to expand its Product Testing Team and conduct a study to determine the feasibility of constructing a laboratory space for the analysis of toxics in consumer products. Based on that study, additional funding was provided to Ecology in the 2023-25 biennium to complete a pre-design study to provide a recommendation on where the laboratory should be located. Ecology contracted with architecture and engineering firms to complete the studies, which has resulted in the recommendation to build a Product Testing Laboratory in Ecology's Headquarters Building in Lacey.

Ecology's Lacey building was originally designed to house laboratories in part of its basement. This request would use that infrastructure and expand Ecology's Product Testing Processing Room into a fully equipped laboratory with associated analytical equipment, chain of custody functionality, which will allow for detailed tracking of the products being tested, and life/safety features.

The construction of this laboratory will allow Ecology to meet the requirements of the Children's Safe Product Act (CSPA), the Safer Products for Washington Act, and the Toxic Free Cosmetics Act. It would also significantly enhance Ecology's ability to identify new and emerging toxic chemicals and expand Polychlorinated Biphenyls (PCB) testing in environmental media, such as water and sediment.

Components of the studies included an investigation of whether the space available at Ecology's Lacey Building could meet the laboratory needs, an evaluation of the basement's overall space use, and the development of construction cost estimates and documents/designs to support this capital budget request.

The budget for this project was developed based on the attached Capital Plan (C-100) and attached cost estimates included in the predesign study completed by KMB Architects, dated June 2024. The estimated cost breakdown by cost component is below:

Consultant Services

Predesign Services: $175,890
Design Phase Services: $677,789
Extra Services: $226,500
Other Services: $312,014
Design Services Contingency: $69,610

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Report Number: CBS002
Date Run: 8/30/2024 10:11AM

Project Number: 40000722
Project Title: Product Testing Laboratory Construction

Description

Consultant Services Subtotal: $1,461,803
Consultant Services Subtotal Escalated: $1,537,205

Construction
Maximum Allowable Construction Cost (MACC): $7,076,603
Maximum Allowable Construction Cost (MACC) Escalated: $7,591,780
Owner Construction Contingency: $353,830
MACC Owner Construction Contingency: $379,589
Sales Tax: $743,173
Sales Tax Escalated: $797,276
Construction Subtotal: $8,173,606
Construction Subtotal Escalated: $8,768,645

Equipment
Equipment: $5,459,050
Sales Tax: $545,905
Equipment Subtotal: $6,004,955
Equipment Subtotal Escalated: $6,442,116

Agency Project Administration
Other Project Admin Costs: $205,580
Project Administration Subtotal: $205,580
Project Administration Subtotal Escalated: $220,547

Total Project: $15,845,943
Total Project Escalated: $16,968,513
Total Project Escalated (Rounded): $16,969,000

In addition to the totals indicated in the pre-design dated June 2024, Ecology identified an additional $301,973 (this includes $27,392 in escalation) in Information Technology costs that are required to ensure the lab's operability. These are included in the C-100 but not in the pre-design documents. Costs include an IT Systems Administrator, Journey (0.5 FTE in FY 2026 and FY 2027), $205,580 (Agency Project Administration), $32,000 in IT cabling and switch gear, and $37,000 for 13 computers (Equipment – Special Construction and Other).

What opportunity or problem is driving this request?
Ecology currently conducts a limited amount of testing of consumer products for toxics at the Environmental Protection Agency's (EPA) Manchester Environmental Laboratory (MEL). Ecology is unable to lease additional space from the EPA at MEL to conduct increased levels of product testing that are required by recent legislation.

In addition, EPA will require Ecology to eventually stop all testing of consumer products at MEL due to potential contamination issues. Consumer products have been found to have very high concentrations of contaminants. These high concentrations can contaminate the lab and equipment, thereby interfering with the low concentration environmental analyses conducted within the same lab areas.

EPA understands the importance of our product testing work, and because we have completed the feasibility study and are submitting this budget request to build the new lab, EPA has been willing to work with us up to this point. However, if this request is not funded, they will eventually require us to cease conducting this work at MEL, and Ecology would need to contract this work out or find another alternative (see attached letter from EPA).

Project Number: 40000722
Project Title: Product Testing Laboratory Construction

Description

What are the specific benefits of this project?
Many of the products consumers use every day release low doses of toxic chemicals. These chemicals can accumulate over time and have harmful effects on people and the environment. Ecology's Product Testing Team is responsible for confirming the presence or absence of toxic chemicals in everyday consumer products through cutting-edge scientific approaches. This science directly supports policy decisions, as well as compliance and regulatory actions for consumer products that may pose a toxic threat to the health of Washington residents.

Ecology's product testing activities rely on quality laboratory analytical work. This project will support the construction of a laboratory needed to analyze consumer products for toxics, thereby allowing Ecology to continue its efforts to improve the safety of consumer products.

It will also enable Ecology to analyze environmental and product samples for polychlorinated biphenyls (PCBs), a group of toxic chemicals demonstrated to cause cancer and other adverse health effects. The analyses for PCBs in product samples are not currently performed at MEL due to the lack of space. PCBs are not usually found in high concentrations in consumer products since they are not intentionally added to products for any desirable purposes. Therefore, both consumer products and environmental samples may be analyzed for PCBs in the same laboratory space since there is not the risk of consumer products contaminating environmental samples.

Ecology will repurpose currently underutilized space in the Lacey Headquarters Building and remodel it into a fully functioning laboratory to support important studies designed to reduce the amount of toxic chemicals in the environment and in products used by residents of Washington State.

This request will also provide economic benefits to the state by creating up to 59 jobs per year during the next four years, based on Office of Financial Management estimates.

What are the effects of non-funding?
If this request is not funded, product testing analytical work would not be performed by Ecology and would need to be contracted out. However, contract labs do not perform much of this highly specialized testing, so a great deal of the testing would not be done at all. Ecology would then be unable to carry out its responsibilities under the Children's Safe Product Act (CSPA), Safer Products for Washington Act, and the Toxic Free Cosmetics Act. It would also hamper Ecology's ability to identify and regulate new and emerging toxic chemicals.

Commercial laboratories are often not willing and/or able to undertake the necessary research to develop analytical methods for these new chemicals. Products containing toxic chemicals may end up in the hands of consumers and in landfills. While some testing would be performed by contract labs, Ecology would not have control over the types of analyses performed and the timeliness of data. Reliance on contract labs alone is expected to result in only very limited testing capability with unknown timing for data.

Why is this the best option or alternative?
There are two potential alternatives to this request for constructing a laboratory for product testing analysis in the basement of Ecology's Headquarters Building in Lacey: 1) do not construct a new laboratory at all, and 2) construct a new laboratory in a different location.

Under alternative 1, Ecology would not construct a laboratory for analysis of consumer products anywhere. EPA will soon no longer allow Ecology to conduct product-testing analysis at MEL. Ecology would be unable to perform analyses of consumer products, and this work would need to be sent out to contract laboratories. Since contract labs are unable to perform much of this testing and are unlikely to take steps necessary to perform the testing at a non-cost prohibitive price, these tests could not be performed, thereby limiting Ecology's ability to protect the public and environment from toxic chemicals in consumer products.

Project Number: 40000722
Project Title: Product Testing Laboratory Construction

Description

Under alternative 2, Ecology would need to find an alternative location to construct a new laboratory for testing consumer products. This would likely require purchasing or leasing new building space, which would then need to be modified to meet Ecology's needs. Constructing the lab in the basement of Ecology's Headquarters Building is more cost-efficient since the state already owns the facility, and it is more convenient since Ecology staff will not need to travel to a different location.

For these reasons, it was determined the option to construct a new laboratory in the basement of Ecology's Lacey building is the best option to pursue.

How will clients be affected and services change if this project is funded?
Ecology's Product Testing Team currently conducts a limited amount of analysis of consumer product samples. However, the laboratory where this work is done is owned by the EPA, and they have notified Ecology that these types of analyses will soon no longer be allowed due to the potential for contamination of environmental analytical work.

Constructing a new laboratory at Ecology's Headquarters Building will allow Ecology to continue to analyze consumer products for toxics and increase the number of analyses performed, in keeping with the expansion of Ecology's product testing program. Ecology will also gain the capability to conduct analyses for PCBs in consumer products, which currently are unable to be performed at the Manchester facility due to lack of space.

Focus on Equity:
Target Populations and Communities
Many of the product testing projects that will have samples analyzed by the new product testing lab will use the Environmental Justice (EJ) Screening Assessment Tool for site selection. This tool was used for selecting sample sites in a previous Toxics in School Supplies Project and proved useful in identifying and better protecting children from disadvantaged communities. This tool is a GIS-based assessment, which uses the EPA's EJScreen and the U.S. Census Bureau's geocoding data to create an EJ Index of potential sample sites.

The EJ index is based on poverty, racial demographics, and language spoken in the home. Additionally, there is a new focus on products marketed specifically to certain racial and cultural population groups. Many of these products, such as cosmetics and shampoos, have complicated formulas that require extensive research and development in order to be tested in the laboratory. This space will create the resources needed for these analyses.

Community Outreach and Engagement
This request is for the construction of a product testing laboratory that would allow Ecology to conduct analyses of consumer products and avoid contracting out for these services. There are no anticipated negative impacts to communities from this request, and outreach and engagement were not conducted.

Disproportional Impact Considerations
There are no anticipated disproportionate impacts on overburdened communities or vulnerable populations. Understanding exactly what toxics are in consumer products will allow Ecology to regulate those toxics and reduce their impact throughout Washington. The utilization of tools like the EJ Screening Assessment Tool will allow Ecology to focus on communities that have historically been disproportionately impacted by toxics and ensure that proper regulations address toxics within those communities.

Project Number: **40000722**
Project Title: **Product Testing Laboratory Construction**

Description

HEAL Act Agencies Supplemental Questions
See attached.

What is the agency's proposed funding strategy for the project?
Ecology is requesting State Building Construction Account funding for this work.

Are FTEs required to support this project?
This project requires a total of 0.58 FTE for the 2025-27 biennium for Information Technology (IT) support to install, connect, and troubleshoot computer hardware and software. This level of FTE is consistent with previous Ecology projects.

It is anticipated that a future (2027-29 biennium) operating budget request will be submitted for additional FTEs needed to support our product testing work once the new lab is constructed.

How does the project support the agency and statewide results?
This request is essential to achieving the Governor's Results Washington Goal 3: Sustainable Energy and a Clean Environment and Goal 4: Health and Safe Communities, and Ecology's Goal 3: Prevent and reduce toxic threats and pollution because it will fund the resources we need to analyze consumer products for toxics and continue our efforts to improve the safety of consumer products, which will decrease harmful exposure to Washington's residents and environment.

How will the other state programs or units of government be affected if this project is funded?
If this project is funded, it will allow Ecology to continue its partnership with the Office of the Attorney General, which has funded past and current studies to analyze for toxics in school supplies. Most recently, the team assisted in an AGO investigation that found dozens of children's school supplies sold on Amazon.com had illegal levels of toxic metals lead and cadmium in them (see full press release here: https://www.atg.wa.gov/news/news-releases/ag-ferguson-amazon-must-remove-toxic-school-supplies-kid-s-jewelry-marketplace. To resolve the investigation without a lawsuit, Amazon entered into a nationwide legally binding agreement to block the sale of children's school supplies and jewelry on Amazon.com without lab reports and other proof from the sellers that the products are not toxic.

What is the impact on the state operating budget?
If this project is funded, the new product testing laboratory will be built in the Lacey Headquarters Building basement. The lab will be designed during fiscal year 2026 and constructed during fiscal year 2027. Ecology anticipates submitting a future operating budget request for the 2027-29 biennium to staff the lab and begin operations in fiscal year 2028.

Additionally, the new laboratory space will require a Laboratory Information Management System (LIMS) with the capability to generate electronic data and upload data to the product testing database and Ecology's Environmental Information Management database (EIM). Ecology's Information Technology Services Office (ITSO) has been consulted and is working on scoping the needs of this project, which would be part of a future operating budget request.

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/30/2024 10:11AM

Project Number: 40000722
Project Title: Product Testing Laboratory Construction

Description

Location
City: Lacey **County:** Thurston **Legislative District:** 022

Project Type
Remodel/Renovate/Modernize (Major Projects)

Growth Management impacts
N/A

New Facility: No

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	New Approps
057-1	State Bldg Constr-State	16,969,000				16,969,000
	Total	**16,969,000**	**0**	**0**	**0**	**16,969,000**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact



Predesign Report:
Environmental Assessment Program (EAP) Laboratory Development
Washington State Department of Ecology

State Project No. 2024-189
June 26, 2024

Prepared by

KMB architects

DEPARTMENT OF ECOLOGY
State of Washington

Acknowledgments

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6.0 Predesign Appendices

1. OFM Predesign Checklist
2. Complete C-100s (Per OFM, LCCM does not apply to this project)
3. DAHP Letter
4. Full Equipment Schedule

1 EXECUTIVE SUMMARY

1.0 Executive Summary

The Washington State Department of Ecology (ECY)

The Washington State Department of Ecology (ECY) aims to protect, preserve, and enhance Washington's environment for current and future generations. The agency's headquarters are located in Lacey, Washington.

ECY's Responsibilities

One of the critical functions the agency undertakes in order to fulfill this mission is the testing of consumer products for toxic chemicals through their Environmental Assessment Program (EAP). This program is the science arm of ECY and studies environmental conditions through data collection and analysis by scientists.

Challenges in Fulfilling ECY's Responsibilities

Currently, the EAP operates the Manchester Environmental Laboratory, located in Port Orchard, Washington. However, the Manchester Laboratory cannot provide comprehensive testing of products that include PCBs (Polychlorinated biphenyls), CHCCs (Chemicals of High Concern to Children) or PBTs (Persistent, Bio accumulative and Toxic chemicals) due to cross contamination of environmental testing samples and lack of space.

ECY has identified the need for a more robust laboratory space for consumer products testing needs, which will aid in their ability to identify and reduce the use of toxic materials, ensure recycling or reuse of appropriate materials, and regulate final disposal and contaminated site cleanups.

Proposed Exploration of Solutions

This predesign will explore the options available to address the laboratory space needs for the ECY's critical consumer product testing functions.

Five alternatives were considered as part of this predesign:

Alternative 1: "Do-nothing" and continue limited consumer products testing at the Manchester Laboratory.

Alternative 2: Construct new laboratory facilities.

Alternative 3 (Preferred): Relocate and expand limited consumer product testing to a lab in the ECY's Lacey headquarters building dedicated to comprehensive product testing.

Alternative 4: Lease the required laboratory space.

Alternative 5: Contract consumer product testing needs to a third party.



Manchester Laboratory in Port Orchard, WA



ECY Headquarters Building in Lacey, WA

Among these options, **Alternative 3 to relocate and expand limited consumer product testing from the Manchester Laboratory to the Lacey headquarters building is the preferred alternative**, which will also result in expanded capacity for the program. This expansion is required for Ecology to accomplish the research and testing necessary to comply with Washington state's multiple consumer product laws. In order to accomplish this move, laboratory space will be built as a tenant improvement in the basement of the building.

Below is a basic summary of the preferred alternate's cost:

Acquisition			
Acquisition Subtotal	**$0**	**Acquisition Subtotal Escalated**	**$0**

Consultant Services			
Predesign Services	$175,890		
Design Phase Services	$677,789		
Extra Services	$226,500		
Other Services	$312,014		
Design Services Contingency	$69,610		
Consultant Services Subtotal	**$1,461,803**	**Consultant Services Subtotal Escalated**	**$1,537,115**

Construction			
Maximum Allowable Construction Cost (MACC)	$7,076,603	Maximum Allowable Construction Cost (MACC) Escalated	$7,591,780
DBB Risk Contingencies	$0		
DBB Management	$0		
Owner Construction Contingency	$353,830		$379,589
Non-Taxable Items	$0		$0
Sales Tax	$743,173	Sales Tax Escalated	$797,276
Construction Subtotal	**$8,173,606**	**Construction Subtotal Escalated**	**$8,768,645**

Equipment			
Equipment	$5,390,050		
Sales Tax	$539,005		
Non-Taxable Items	$0		
Equipment Subtotal	**$5,929,055**	**Equipment Subtotal Escalated**	**$6,360,691**

Artwork			
Artwork Subtotal	**$0**	**Artwork Subtotal Escalated**	**$0**

Agency Project Administration			
Agency Project Administration Subtotal	$0		
DES Additional Services Subtotal	$0		
Other Project Admin Costs	$0		
Project Administration Subtotal	**$0**	**Project Administration Subtotal Escalated**	**$0**

Other Costs			
Other Costs Subtotal	**$0**	**Other Costs Subtotal Escalated**	**$0**

Project Cost Estimate			
Total Project	**$15,564,463**	Total Project Escalated	**$16,666,451**
		Rounded Escalated Total	**$16,666,000**

The proposed solution is the most viable, efficient, and cost-effective method of obtaining permanent space for mandated consumer product testing that can be used for years to come, as other resources, such as a lobby, restrooms, breakroom, administrative offices, chemical storage, sample preparation, and exhaust chimneys for toxic materials already exist in this building.

2 PROBLEM STATEMENT

2.0 Problem Statement



2. A. Problem, Opportunity, and Program Requirements

The Need for Product Testing

According to the Consumer Product Safety Commission, 50,000 people die each year due to dangerous products. Chemical based injuries account for 152,074 injuries and 66 deaths per year nationally. In 2022, 12,663,028 injuries occurred from consumer products, according to the National Safety Council. The most vulnerable populations that experience the highest number of injuries are those under 4 years old and over 65 years old. Common products with dangerous levels of chemicals include cleaning products, fertilizer, and paint. These products can contain cancer causing chemicals including PCBs, heavy metals, and formaldehyde.

Legal Requirements for Product Testing

The testing of consumer products for toxic chemicals is required by Washington State law. The agency that undertakes this testing is the Department of Ecology (ECY) through their Environmental Assessment Program (EAP). The testing is currently performed at the Manchester Environmental Laboratory in Port Orchard, Washington. The Manchester Laboratory is owned by the Environmental Protection Agency (EPA) and ECY operates the space under a facility sharing agreement (FSA).

The Challenge and Proposed Solution

Unfortunately, comprehensive product testing in the Manchester Lab cannot be completed due to cross contamination of environmental testing samples and lack of space. Due to the inadequate space, Washington State is failing in its duty to protect its citizens from toxic chemicals found in consumer products. An opportunity exists to remedy this situation and provide the appropriate laboratory facilities for ECY to protect Washingtonians from dangerous toxins in consumer products.



Manchester Environmental Laboratory visit with Governor Jay Inslee

2. B. Statutory Requirements

Washington State Law

The following Washington State consumer safety laws are overseen by the ECY to reduce toxic exposure in consumer products:

- Chapter 70A.222 RCW- Toxics in packaging law
- Chapter 70A.230 RCW- Mercury law
- Chapter 70A.335 RCW- Bisphenol A (BPA) law
- Chapter 70A.340 RCW- Better Brakes law
- Chapter 70A.350 RCW- Safer Products for Washington
- Chapter 70A.400 RCW- Toxics in firefighting law
- Chapter 70A.405 RCW- Flame retardants law
- Chapter 70A.430 RCW- Children's Safe Products Act (CSPA)
- Chapter 70A.435 RCW- Lead wheel weight law
- Chapter 70A.440 RCW- Coal tar stormwater pollution law
- Chapter 70A.445 RCW- Antifouling boat paint law
- Chapter 70A.560 RCW- Toxic Free Cosmetics Act
- 2SHB 1551- Reducing lead in cookware

Federal Law

The Consumer Product Safety Act (1972) establishes consumer product safety standards including products that pose a fire, electrical, chemical, or mechanical hazard or can injure children. The Product Liability Law provides recourse to consumers injured by a product.

Caseload Projection

Projection is difficult at this point. The caseload will ramp up over time and involve a great deal of method development, i.e. front-end time preparation to receive and analyze samples. The actual sample load will be insubstantial in comparison to traditional environmental production, which process several hundred samples per day.

It is anticipated that 10 new full-time employees (FTEs) will be needed to provide the technical services the lab is being designed to perform.

2. C. Connection Between Agency's Mission, Goals, and Objectives

The mission of the Department of Ecology (ECY) is *"to protect, preserve, and enhance Washington's environment for current and future generations."*

As part of their 2023 - 2025 Strategic Plan, ECY reaffirmed their commitment to "Prevent and reduce toxic threats and pollution." The testing of consumer product is critical to both meet this goal and stay compliant with Washington State law.

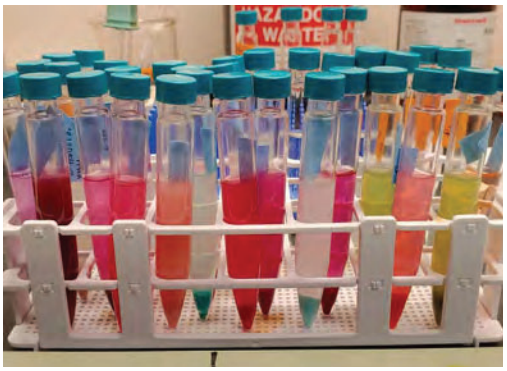


ECY 2023 - 2025 Strategic Plan Document

Proposed Laboratories

Laboratory space for chemical testing of consumer products is required by ECY to carry out their mission of protecting, preserving, and enhancing Washington's environment for current and future generations. The proposed laboratories are the minimum needed to fulfill this product testing mission. The need for product testing is expected to increase in the coming years, so we cannot eliminate any of the designated labs.

- Sample Receiving
- PCB Extraction Laboratory
- Equipment Cleaning
- Organic Extractions Laboratory
- Organic Analysis Laboratory
- Inorganic Analysis Laboratory
- Volatile Organic Analysis (VOA)
- Inorganic Digestion Laboratory



Chemical testing samples from consumer products



Mixing samples for testing

Product Testing Requirements

PCBs are a key class of compounds listed in the agency's Chemical Action Plan. Although product testing studies for PCBs in consumer products were conducted in 2017, 2018, and 2021, there is an ongoing need to continue to test various consumer products for PCBs because of the potential consumer exposure to this toxic class of chemicals and to comply with state purchasing rules.

The proposed laboratories are uniquely designed to specialize in this type of detection and testing. They require equipment and infrastructure such as both supply and exhaust HVAC systems from fume hoods, treated water supply, uninterrupted power supply, and wastewater handling. A full list of the equipment needed can be found in Appendix 4.

2. D. What is Needed to Solve the Problem

The current facilities at the Manchester Environmental Laboratory are not adequate to perform this vital testing that is needed. In order to address the problem and program requirements, a new dedicated laboratory space is required.

2. E. Relevant Project History

Two space design studies have been conducted by KMB architects. A study done in 2019 used a portion of the space in the basement of the headquarters building and provided four labs. The second study in 2022 expanded on the capacity of the original study and provided eight labs. It was determined that the expanded space would meet the needs of the program. The space in the ECY basement was originally designed for future use as a laboratory, including existing exhaust chimneys for venting material from fume hoods. The space is currently being used as storage.

3 ANALYSIS OF ALTERNATIVES

3. A. Description of Alternatives

The purpose of this predesign is to solve the problem of inadequate laboratory space for ECY's consumer product testing requirements. Five alternatives were explored, with the **recommended alternative being to relocate and expand consumer product testing to ECY's Lacey Headquarters building (Alternative 3).**



i. Analysis of Alternatives (Including the Preferred Alternative)

Alternative 1: Do Nothing (Not Recommended)

The first alternative is to do nothing - limited product testing will continue at the Manchester Laboratory, with the products prep lab located separately at ECY's Lacey headquarters building. **This alternative does not meet the project objectives and is not recommended.**

Due to lack of space and landlord restrictions, expansion of consumer product testing at the Manchester Laboratory is not possible. Though maintaining the status quo with this alternative carries no capital cost, the State runs the risk of unnecessary injuries and deaths related to consumer products and the possibility of an undefendable lawsuit if State law mandating this testing cannot be adhered to.

Alternative 2: Construct New Laboratory Facilities in a New Building (Not Recommended)

The second alternative is to construct brand new laboratory facilities that will meet all the specifications required for the consumer product testing needs both now and in the future. **Due to budget, timeline, and state regulatory needs, this alternative is not recommended.**

If a new building is constructed, the State will have full control over the facility and the selection of equipment. A minimum space of 7,260 SF will be required for the new building:

Lab space identified in 2022 study (4,934 SF for lab)	5,461 SF
Reception area	200 SF
Public restrooms (two unisex minimum)	128 SF
Administration office	120 SF
Staff Break room	120 SF
Locker room	144 SF
Delivered chemical storage	100 SF
Tested (potentially toxic) chemical storage for disposal	100 SF
Mechanical/Electrical/Fire Riser/IT	140 SF
Subtotal	6,513 SF
Exterior walls – 5%	325 SF
Interior walls, circulation of non-lab space 1052 x 40%	422 SF
Total	**7,260 SF**



ECY Headquarters in Lacey, WA

This option is the most expensive of the five considered. A cost summary based on an April 2027 construction start date is provided below:

Acquisition			
Acquisition Subtotal	**$980,000**	**Acquisition Subtotal Escalated**	**$980,000**

Consultant Services			
Predesign Services	$114,543		
Design Phase Services	$605,577		
Extra Services	$0		
Other Services	$272,071		
Design Services Contingency	$49,610		
Consultant Services Subtotal	**$1,041,801**	**Consultant Services Subtotal Escalated**	**$1,136,503**

Construction			
Maximum Allowable Construction Cost (MACC)	$8,325,253	Maximum Allowable Construction Cost (MACC) Escalated	$9,258,703
DBB Risk Contingencies	$0		
DBB Management	$0		
Owner Construction Contingency	$416,263		$463,342
Non-Taxable Items	$0		$0
Sales Tax	$874,266	Sales Tax Escalated	$972,332
Construction Subtotal	**$9,615,782**	**Construction Subtotal Escalated**	**$10,694,377**

Equipment			
Equipment	$5,588,111		
Sales Tax	$558,811		
Non-Taxable Items	$0		
Equipment Subtotal	**$6,146,922**	**Equipment Subtotal Escalated**	**$6,842,140**

Artwork			
Artwork Subtotal	**$0**	**Artwork Subtotal Escalated**	**$0**

Agency Project Administration			
Agency Project Administration Subtotal	$0		
DES Additional Services Subtotal	$0		
Other Project Admin Costs	$0		
Project Administration Subtotal	**$0**	**Project Administration Subtotal Escalated**	**$0**

Other Costs			
Other Costs Subtotal	**$0**	**Other Costs Subtotal Escalated**	**$0**

Project Cost Estimate			
Total Project	**$17,784,505**	Total Project Escalated	**$19,653,020**
		Rounded Escalated Total	**$19,653,000**

In addition to being the most costly alternative, this option will take the longest to implement, potentially delaying occupancy of the lab until the Spring of 2028. Land would have to be found and purchased for the new building. After land acquisition, the new building will have to be designed and constructed. Construction of a new laboratory facility also runs counter to the Office of Financial Management's 6-year plan, which includes the consolidation of office space within existing buildings and a reduction in owned or leased square footage of 26% by 2029.

Alternative 3: Relocate and Expand Consumer Product Testing to the ECY's Lacey HQ Building (RECOMMENDED)

The third alternative explored is to relocate consumer product testing to ECY's Lacey Headquarters building. **The relocation and expansion of consumer product testing at the Lacey headquarters building is the preferred alternative.**

This alternative involves a 5,461 SF tenant improvement in the basement of the facility. A cost summary is included below:

Acquisition			
Acquisition Subtotal	**$0**	**Acquisition Subtotal Escalated**	**$0**

Consultant Services			
Predesign Services	$175,890		
Design Phase Services	$677,789		
Extra Services	$226,500		
Other Services	$312,014		
Design Services Contingency	$69,610		
Consultant Services Subtotal	**$1,461,803**	**Consultant Services Subtotal Escalated**	**$1,537,115**

Construction			
Maximum Allowable Construction Cost (MACC)	$7,076,603	Maximum Allowable Construction Cost (MACC) Escalated	$7,591,780
DBB Risk Contingencies	$0		
DBB Management	$0		
Owner Construction Contingency	$353,830		$379,589
Non-Taxable Items	$0		$0
Sales Tax	$743,173	Sales Tax Escalated	$797,276
Construction Subtotal	**$8,173,606**	**Construction Subtotal Escalated**	**$8,768,645**

Equipment			
Equipment	$5,390,050		
Sales Tax	$539,005		
Non-Taxable Items	$0		
Equipment Subtotal	**$5,929,055**	**Equipment Subtotal Escalated**	**$6,360,691**

Artwork			
Artwork Subtotal	**$0**	**Artwork Subtotal Escalated**	**$0**

Agency Project Administration			
Agency Project Administration Subtotal	$0		
DES Additional Services Subtotal	$0		
Other Project Admin Costs	$0		
Project Administration Subtotal	**$0**	**Project Administration Subtotal Escalated**	**$0**

Other Costs			
Other Costs Subtotal	**$0**	**Other Costs Subtotal Escalated**	**$0**

Project Cost Estimate			
Total Project	**$15,564,463**	Total Project Escalated	**$16,666,451**
		Rounded Escalated Total	**$16,666,000**

This space was designed and built so as to allow for build out as a lab, including chimneys that are designed to serve as venting fume hoods. Though the existing chimneys would require retrofitting with stainless steel shaft liners, the cost to do so is less expensive than new construction. Additionally, the lack of windows in the basement provides a better environment for sensitive lab work as it protects lab equipment from direct sunlight which can cause damage.

Alternative 4: Lease the Required Laboratory Space (Not Recommended)

The next alternative explored is to lease the required laboratory space. A space measuring at least 7,000 SF would be required*:

Lab space identified in 2022 study (4,934 SF for lab)	5,461 SF
Reception area	200 SF
Public restrooms (two unisex minimum)	128 SF
Administration office	120 SF
Staff Breakroom	120 SF
Locker room	144 SF
Delivered chemical storage	100 SF
Tested (potentially toxic) chemical storage for disposal	100 SF
Mechanical/Electrical/Fire Riser/IT	140 SF
Subtotal	6,513 SF
Interior walls, circulation of non-lab space 1052 x 40%	487 SF
Total	**7,000 SF**

**Note: The difference in square footage between Alternatives 2 and 4 is that leased space is measured to the face of sheetrock at exterior walls, rather than including the exterior walls in the calculation.*

Recently Leased Lab Space by the State

ECY currently leases lab space at the Manchester Environmental Laboratory in Port Orchard:

$1.4 million/20,000 SF = $70 per SF per year.

Biennium Budget Impacts for New Lease	Biennium Time Period Start	Finish	Existing Lease Option	New Lease Option 1	Biennium Impact:
23-25 Biennium Lease Expenditure	7/1/2023	6/30/2025	$ 2,099,988	$ -	$ (2,099,988)
25-27 Biennium Lease Expenditure	7/1/2025	6/30/2027	$ 2,866,392	$ -	$ (2,866,392)
27-29 Biennium Lease Expenditure	7/1/2027	6/30/2029	$ 3,118,740	$ -	$ (3,118,740)
29-31 Biennium Lease Expenditure	7/1/2029	6/30/2031	$ 3,118,740	$ -	$ (3,118,740)
31-33 Biennium Lease Expenditure	7/1/2031	6/30/2033	$ 3,437,425	$ -	$ (3,437,425)

The lease at Manchester will remain but it cannot serve the product testing laboratory needs.

Helen Sommers Building, 106 11th Ave. SW, Olympia, WA

This property is a five-story, 234,000 SF building that has spaces currently leased to the Washington State Patrol and six other tenants. Current lab/office use rental rates are $17 SF/month (negotiated 2022). This is $204 per square foot per year.

Natural Resources Building, 1111 Washington St, Olympia, WA

This property is a 387,558 SF building. It contains five tenant agencies spread over six stories above grade, with 3 stories of subgrade parking. Lab/office use - $17 SF/month. This is $204 per SF per year.

Cost Estimate for Lease Option

A cost summary for this option is provided below:

Acquisition			
Acquisition Subtotal	**$0**	**Acquisition Subtotal Escalated**	**$0**

Consultant Services			
Predesign Services	$114,543		
Design Phase Services	$451,588		
Extra Services	$0		
Other Services	$202,887		
Design Services Contingency	$38,451		
Consultant Services Subtotal	**$807,470**	**Consultant Services Subtotal Escalated**	**$849,333**

Construction			
Maximum Allowable Construction Cost (MACC)	$4,549,710	Maximum Allowable Construction Cost (MACC) Escalated	$4,874,105
DBB Risk Contingencies	$0		
DBB Management	$0		
Owner Construction Contingency	$227,486		$243,706
Non-Taxable Items	$0		$0
Sales Tax	$477,785	Sales Tax Escalated	$511,851
Construction Subtotal	**$5,254,980**	**Construction Subtotal Escalated**	**$5,629,662**

Equipment			
Equipment	$5,188,621		
Sales Tax	$518,862		
Non-Taxable Items	$0		
Equipment Subtotal	**$5,707,483**	**Equipment Subtotal Escalated**	**$6,114,427**

Artwork			
Artwork Subtotal	**$0**	**Artwork Subtotal Escalated**	**$0**

Agency Project Administration			
Agency Project Administration Subtotal	$430,019		
DES Additional Services Subtotal	$0		
Other Project Admin Costs	$0		
Project Administration Subtotal	**$430,019**	**Project Administration Subtotal Escalated**	**$460,680**

Other Costs			
Other Costs Subtotal	**$0**	**Other Costs Subtotal Escalated**	**$0**

Project Cost Estimate			
Total Project	**$12,199,952**	Total Project Escalated	**$13,054,102**
		Rounded Escalated Total	**$13,054,000**

Appropriate Lease Space Does Not Exist

As there are currently no known spaces on the market that are configured to meet the requirements for a product testing lab, a leased space would have to be modified and retrofitted to meet these requirements.

If an adequate laboratory space could be created through a tenant improvement, extensive equipment purchases would need to be made, as well as improvements to the supporting electrical, mechanical, and plumbing systems (these costs would be paid by the tenant regardless of being installed in a leased space or an owned space).

Over time, this option will cost more as a tenant improvement will involve paying for equipment costs, construction costs, and lease costs without the benefit of final ownership of the building or equipment. In addition, leasing of a new laboratory facility also runs counter to the Office of Financial Management's 6-year plan,which includes the consolidation of office space within existing buildings and a reduction in owned or leased square footage of 26% by 2029. **This alternative is not recommended.**

Alternative 5: Contract Consumer Product Testing Services to a Third Party (Not Recommended)

The final alternative explored is to contract consumer product testing services to a third party. **This alternative is not recommended.**

Contract labs do not provide most of the product testing service work that ECY needs to do to confirm/deny product compliance with state law. Much of the work is new and novel and would require significant research efforts in method development.

ECY has been unsuccessful in finding contract labs that produce data of sufficient quality and timeliness; in the past, contract labs were unable to perform the work satisfactorily, resulting in failed studies with no usable data, wasting time, state dollars, and resources.

At this time, a cost per year could not be quantified because the service does not exist as prescribed. An estimated cost could be presented based on lease costs plus salary of staff, plus insurance and profit of the company offering the service. However, this would not be a fair comparison as other scenarios involve construction cost only, not operational costs.



Product Testing Prep Lab

ii. Advantages & Disadvantages of Each Alternative

	Advantages	Disadvantages
Alternative #1 Do Nothing	• No cost	• Due to contamination issues and inadequate space, ECY can only offer a very limited portion of the product testing required by law • Risk of unnecessary injuries and deaths related to consumer products • Possibility of an undefendable lawsuit against Washington State if the required testing is not being performed • Maintains status quo
Alternative #2 Construct New Laboratory Facilities in a New Building	• A new building can be designed to meet all the current wants and needs without compromise • Ability for future program expansion • The State has full control over the facility. • The State has full control over the selection of equipment (within purchasing guidelines.)	• Highest cost • Longest alternative to implement • During design and construction, necessary testing of products would not take place • OFM's 6-year plan includes the consolidation of office space within existing buildings and a reduction in owned or leased square footage by 26% by 2029.
Preferred Option → **Alternative #3** Relocate and Expand Consumer Product Tes ng to the ECY's Lacey Headquarters Building	• Infrastructure already exists in building for product tes ng lab • Providing services in one building will reduce employee trip costs and is more sustainable • Most economical solu on • OFM's 6-year plan includes the consolida on of office space within exis ng buildings and a reduc on in owned or leased square footage by 26% by 2029	• The mechanical exhaust runs are lengthy. • Exis ng materials stored in the basement area will need to be relocated
Alternative #4 Lease the Required Laboratory Space	• Owner financing for the leased space will result in a lower cost to the State initially	• No known lab space on the rental market that meets requirements for a product testing lab • Unknown if the required modifications needed for product testing lab would be allowed • This option will cost more over time without the benefit of final ownership of the building • OFM's 6-year plan includes the consolidation of office space within existing buildings and a reduction in owned or leased square footage by 26% by 2029
Alternative #5 Contract Consumer Product Testing Services to a Third Party	• None – the service does not exist for this type of testing	• Contract labs do not provide most of the product testing service work that ECY needs to do to confirm/deny product compliance • ECY has been unsuccessful in finding contract labs that produce data of sufficient quality • Lack of control over the quality or schedule of the work performed.

iii. Cost Estimates for Each Alternative

The table below compares the costs of each alternative and anticipated construction duration:

iii. (a) Project Cost Overview

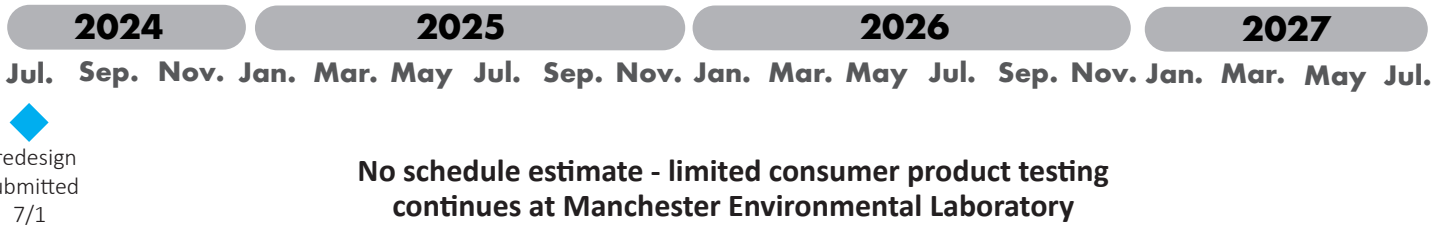
	Cost Estimate	Construction Duration
Alternative #1 Do Nothing- Continue Operations at Manchester Laboratory	**No additional cost, lease amount of $4,900,000 over 10 years will still exist**	**0 Months**
Alternative #2 Construct New Laboratory Facilities in a New Building	**$19,653,000**	**12 months**
Preferred Option **Alternative #3** Relocate and Expand Consumer Product Testing to the ECY's Lacey Headquarters Building	**$16,666,000**	**9 months**
Alternative #4 Lease the Required Laboratory Space	**$13,054,000 over 10 years**	**Unknown how long tenant improvements would take to implement**
Alternative #5 Contract Consumer Product Testing Services to a Third Party	**Unknown - no current lab available to handle testing services**	**0 Months**

iii. (b) Life Cycle Cost Model Comparison (RCW 39.35B.050)

Per discussion with OFM, a Life Cycle Cost Model Comparison is not needed for this project.

iv. Schedule Estimates for Each Alternative

Alternative 1 - Do Nothing

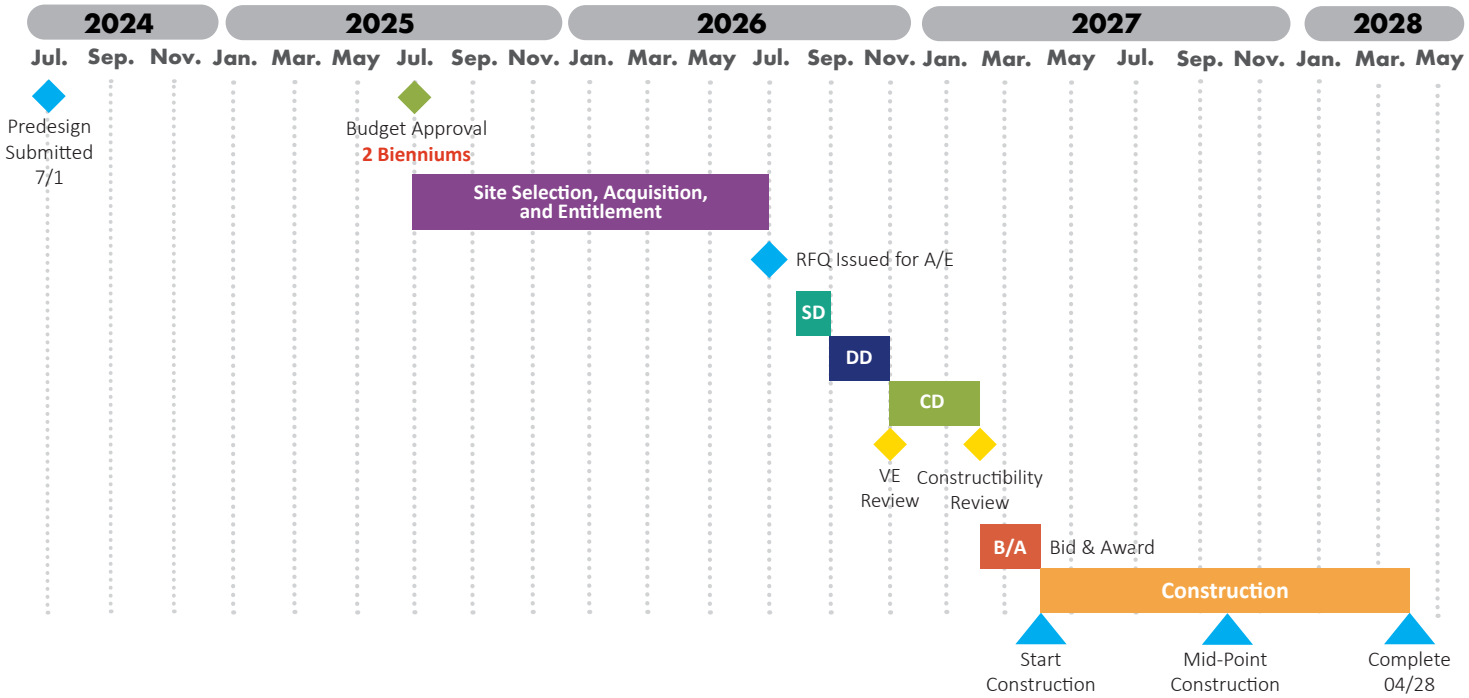


No schedule estimate - limited consumer product testing continues at Manchester Environmental Laboratory

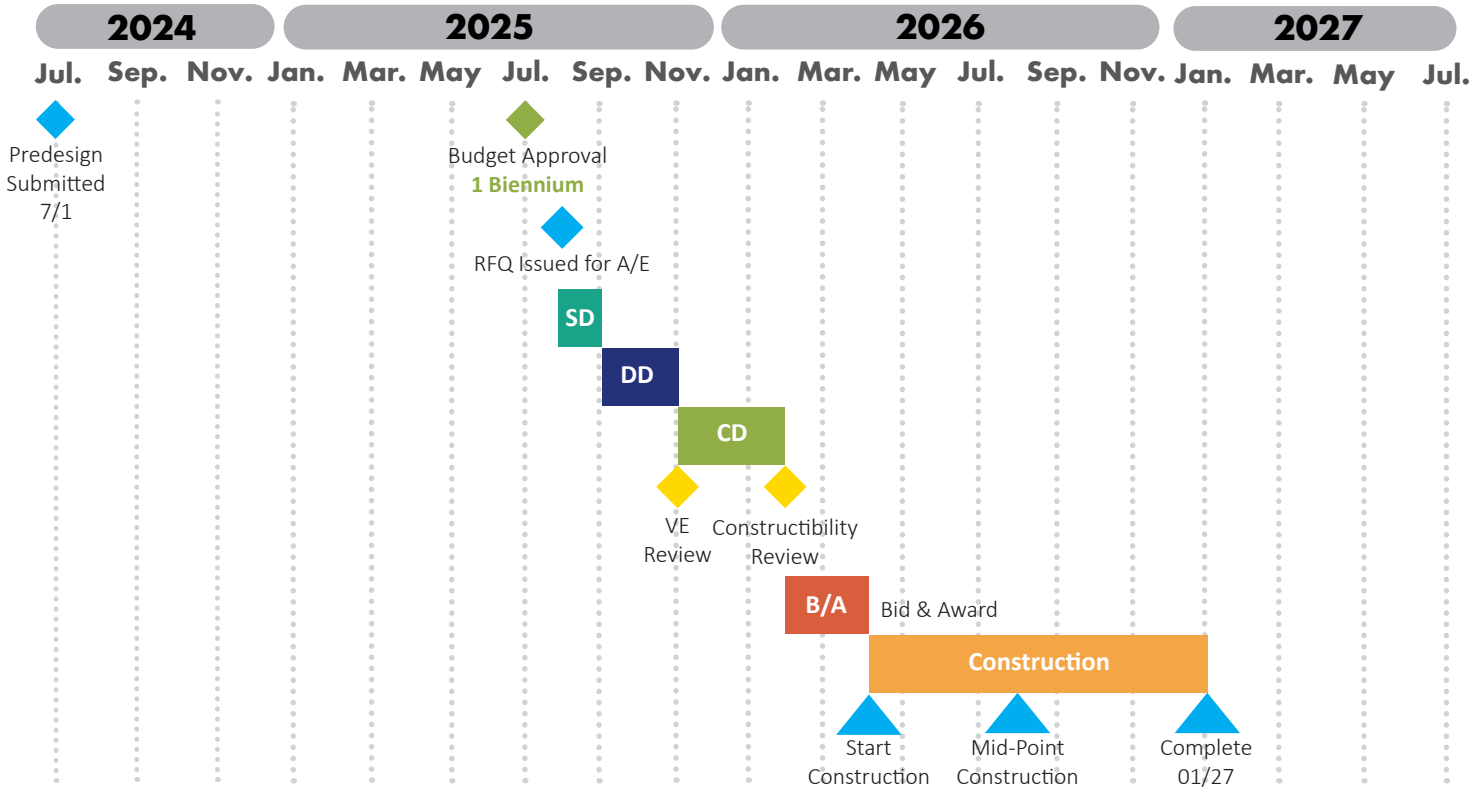
Risks:

- Toxins remain untested in consumer products
- Risk of unnecessary injury and death
- Threat of lawsuit against State

Alternative 2 - Construct New Laboratory Facilities in a New Building



Alternative 3 - Relocate Consumer Product Testing to the ECY's Lacey Headquarters Building



Alternative 4 - Lease the Required Laboratory Space



Predesign Submitted 7/1

No schedule estimate - unknown how long tenant improvements would take to implement

Risks:

- Toxins remain untested in consumer products
- Risk of unnecessary injury and death
- Threat of lawsuit against State

Alternative 5 - Contract Consumer Product Testing Needs



Predesign Submitted 7/1

No schedule estimate - no current labs available to handle consumer testing services

Risks:

- Toxins remain untested in consumer products
- Risk of unnecessary injury and death
- Threat of lawsuit against State

4 DETAILED ANALYSIS OF PREFERRED ALTERNATIVE

4.0 Preferred Alternative

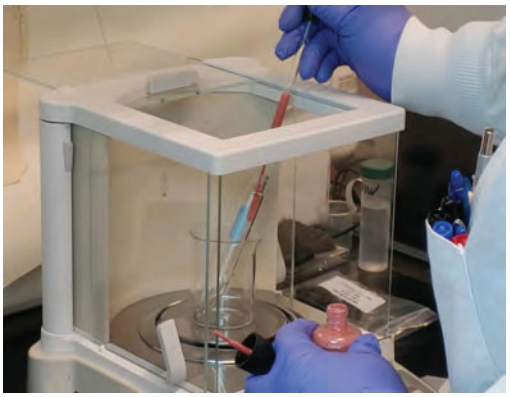


4. A. Describe the Preferred Alternative

The recommended alternative for this project is **Alternative 3: Relocate and Expand Consumer Product Testing to the ECY's Lacey Headquarters Building.**

i. Nature of Space

The Department of Ecology headquarters building has 5,461 SF of under-utilized space in their basement. This space was originally designed with future laboratory use in mind. ECY's preferred alternative will use this space for eight laboratories specializing in PCB (Polychlorinated Biphenyls), CHCC (Chemicals of High Concern to Children) and PBT (Persistent, Bio accumulative and Toxic chemicals). The facility will have the ability to test consumer goods as well as water, sediment, soil, fish tissue and biofilm. A study was done in 2022 to verify that the equipment needed, the casework, the countertop space, the separation of labs, circulation, mechanical, plumbing, and electrical needs could be met using this space. A floor plan that includes detailed casework and equipment layout was created to prove the adequacy of the space. A cost estimate was provided at that time. The estimate has been revised to escalate to July 2026 as the midpoint of construction per the updated schedule.



Weighing out paint sample for testing

ii. Occupancy Numbers

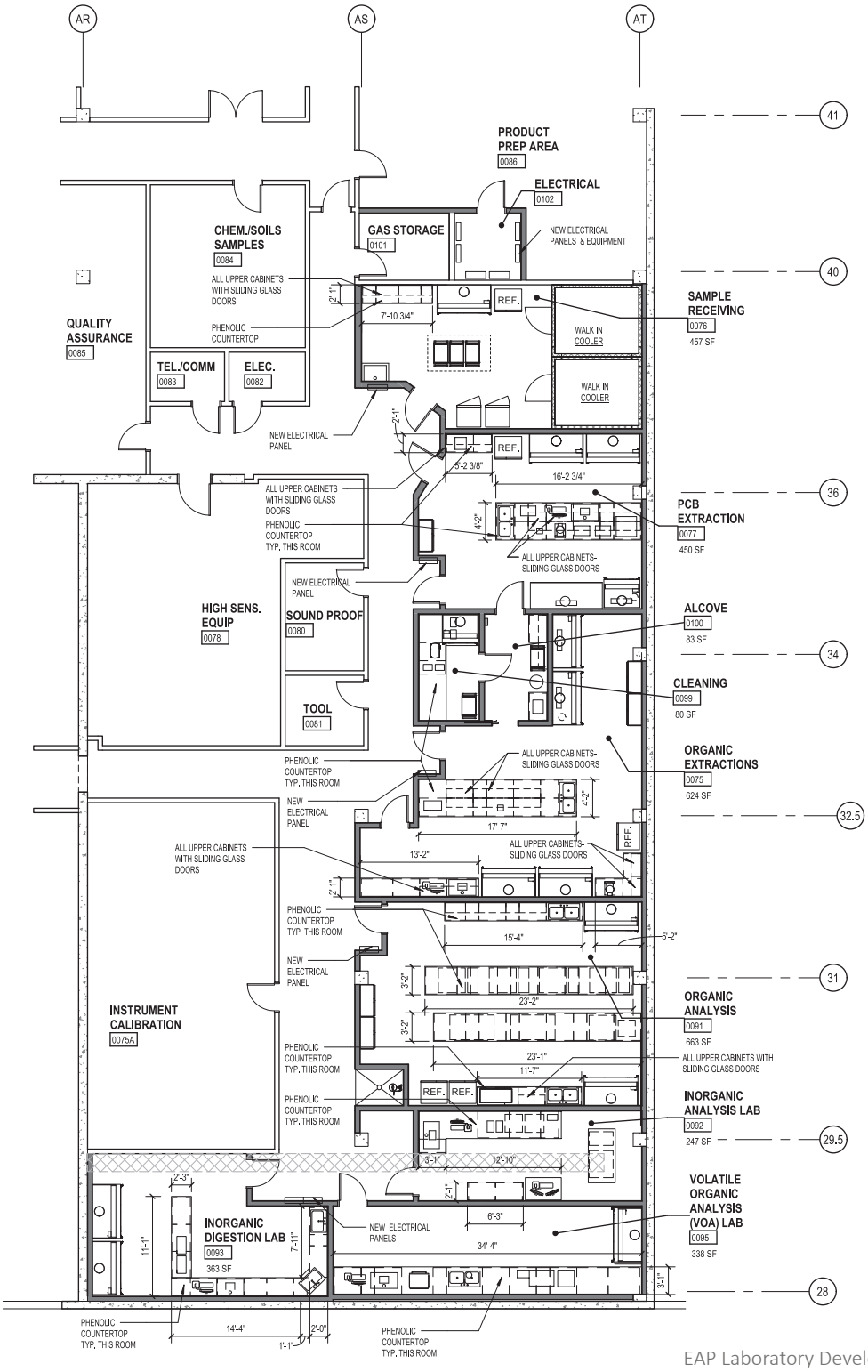
IBC 304.1 Laboratories, testing and research, Business Group B.
IBC Table 1004.5 150 square feet per occupant for business areas.
Gross square footage is 5,461 SF. 1,230 SF is in circulation.
4,231 of lab space/150 = **28.2 maximum occupants (IBC code people).**
10 additional FTEs are projected to be hired to staff the new laboratory.

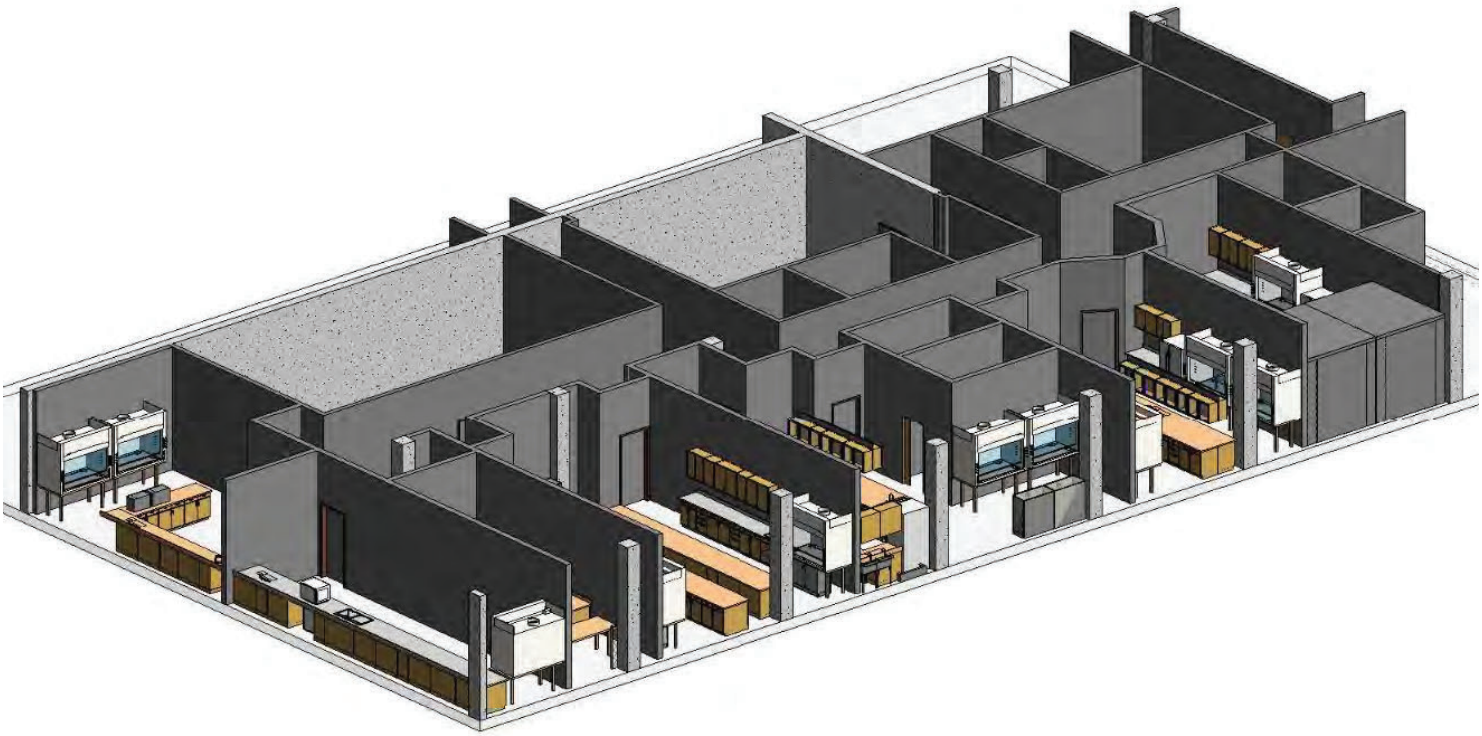


Preparing samples for chemical testing of jewelry

iii. Building Configuration

ECY's headquarters building is a 330,000 SF three-story building with a basement and parking garage. The space being considered is 5,461 SF in the basement. Drawings and renderings of the design are included below:





iv. Space Needs Assessment

The space allocated is based on the required equipment layout, required countertop space, and space to move around the equipment. The custom nature of the space does not lend itself to generalized guidelines.

The Office of Financial Management's 6-year plan includes consolidation of office space within existing buildings and a reduction in owned or leased square footage by 26% by 2029.

4. B. Site Analysis

i. Existing Studies

Two previous space design studies have been conducted by KMB architects. A study done in 2019 used only a portion of the space in the basement of the headquarters building and provided four labs. The second study in 2022 expanded on the capacity of the original study and provided eight labs. The 2022 study determined that the space available would meet the needs of the program.

ii. Location Information

a. Location

The work area for the proposed tenant improvement is in the basement of the Department of Ecology headquarters building, located at 300 Desmond Drive SE, Lacey, WA 98503.

b. Building Footprint

Building footprint and its relationship to adjacent facilities and site features:



c. Water Rights and Water Availability

None of the proposed work will affect water rights or availability.

d. Stormwater Requirements

None of the proposed work will affect stormwater requirements.

e. Easements and Acquisitions

The building is currently owned by the state. No additional land will be required for this project.

f. Property Setback Requirements

None of the proposed work will affect setback requirements.

g. Potential Issues with Surrounding Neighborhood

The area of work is in the basement of the existing headquarters building. There are no neighbors who will be affected by the construction work.

h. Utility Extension or Relocation Issues

Main Building Rework

Power: The lab spaces will be fed from normal power with selective and limited optional standby power using the existing distribution. The existing distribution panels appear to have limited capacity and will require a detailed analysis of viability during the design phase of this project. It is anticipated that the existing main switchboard (MS2) will require rework of a vertical section to accommodate a new 800 Amp circuit breaker to feed a new distribution panelboard. This distribution panelboard will feed the new lab remodel space and allow for capacity in the future.

Load Calculation: The anticipated load of the lab spaces (power and lighting) will provide for a minimum of 29 VA/sf * 3,305 sf = 95.8 kVA. The anticipated HVAC load of the lab spaces will provide for a minimum of 123 VA/sf*3,305 sf = 406 kVA.

Power Distribution

General: The normal power will be fed from the new 800 Amp distribution panelboard. The lighting will be fed from the existing lighting circuits serving the basement area. Normal lights are fed from existing panel 'LPH-BD1' and emergency lights are fed from 'ELPH-B1'. Large HVAC loads and motors sized at 1/2 HP and larger served at 480 Volts, 3 phase; plug loads at 120 Volts; lab equipment at 208 volts, 3 phase or 120 Volts.

A minimum 25% spare capacity and spare overcurrent protective devices for new panelboards being provided. Fully rated for available fault current.

Mechanical equipment panelboard: Anticipated size of 600 Amps at 480Y/277 Volts, 3 phase, 4 wire in the new electrical room and will feed equipment located on the garage roof and in the remodel space.

Lab distribution panelboard: Anticipated size of 400 Amps at 208Y/120 Volts, 3 phase, 4 wire. Surge protection. Copper bus. Transformers energy efficient dry-type, copper windings. A 112.5 kVA transformer to serve the lab distribution panelboard fed from the new distribution panelboard. This will be in the new electrical room to serve the remodel space.

Distribution Equipment: Panelboards with bolt-on circuit breakers, door in-door construction, copper bus. An anticipated quantity of (6) new panelboards located in the corridor space to serve the new laboratory spaces. Anticipated size of 150 Amps at 208Y/120 Volts, 3 phase, 4 wire.

Wiring Methods: Copper conductors, #12 AWG minimum in raceway. Branch circuit wiring overhead. Equipment ground conductors required. The laboratories will be provided with flexible power to meet programmatic needs. Aluminum multi-outlet assemblies will be utilized above lab benchtops. Emergency Power Off pushbuttons will be provided to disable equipment power within the space where it is required.

Surge Protective Devices: Provide at lab distribution panelboard, panelboard serving emergency power, telecommunications equipment, and sensitive equipment.

Building Emergency Power System

Limited generator backup provided would support designated lab equipment defined by the program, including the following:

- Fume hood exhaust fan(s)
- Fume hoods
- Refrigeration
- Mass Spectrometers

A panelboard and transformer sized to feed these loads from existing distribution panelboard 'EDPH-B1' to be provided. This equipment will be in a new electrical room to serve the remodel space. Limited UPS power available from existing central flywheel UPS which serves the data center. May be available to support selective lab utilization equipment.

Existing Conditions and Rework

The basement has an existing manufactured cellular steel deck system trenched in the floor. Most of the system is not utilized and does not make sense to keep. Approximately 60' of one of the main trench headers runs through the remodel space, distributing power to rooms not in scope.

Considering the nature of the programs going into the space and liquids being used, it is strongly recommended to remove the section of the deck line within the remodel space and rework circuiting to the floor devices to remain. Any floor devices in the remodel space can be removed.

Lighting Systems

General: The lighting in the existing hard-lid ceiling is recessed 2x4 LED fixtures with local automatic controls that tie into a lighting control panel. A new hard-lid ceiling will be provided as part of the remodel and new recessed LED fixtures will be coordinated to address specific "visibility"requirements for the lab spaces. "Visibility" includes issues such as light quality, occupant comfort, as well as aesthetics. Selecting building standard fixtures or matching existing will help with building routine maintenance and inventory of spare parts. The fixture types will be reviewed with the owner during the design phase to ensure maximum energy efficiency and optimal illumination levels within the space.

Light Fixtures: Lighting fixtures LED, rated life of 50,000 hours. 80 CRI minimum. Color temperature to match existing.

Lighting Control System

General: New local digital controls will be provided within the spaces to meet programmatic and energy code needs. System inputs include manual dimming switches and vacancy sensors. Existing lighting control panel 'LRC-BD1' serves the existing lighting in the remodel space.

Fire Alarm System

General: The fire alarm system is a code required life safety system that will be bidder designed in compliance with minimum owner requirements. New devices will tie into the existing building fire alarm system.

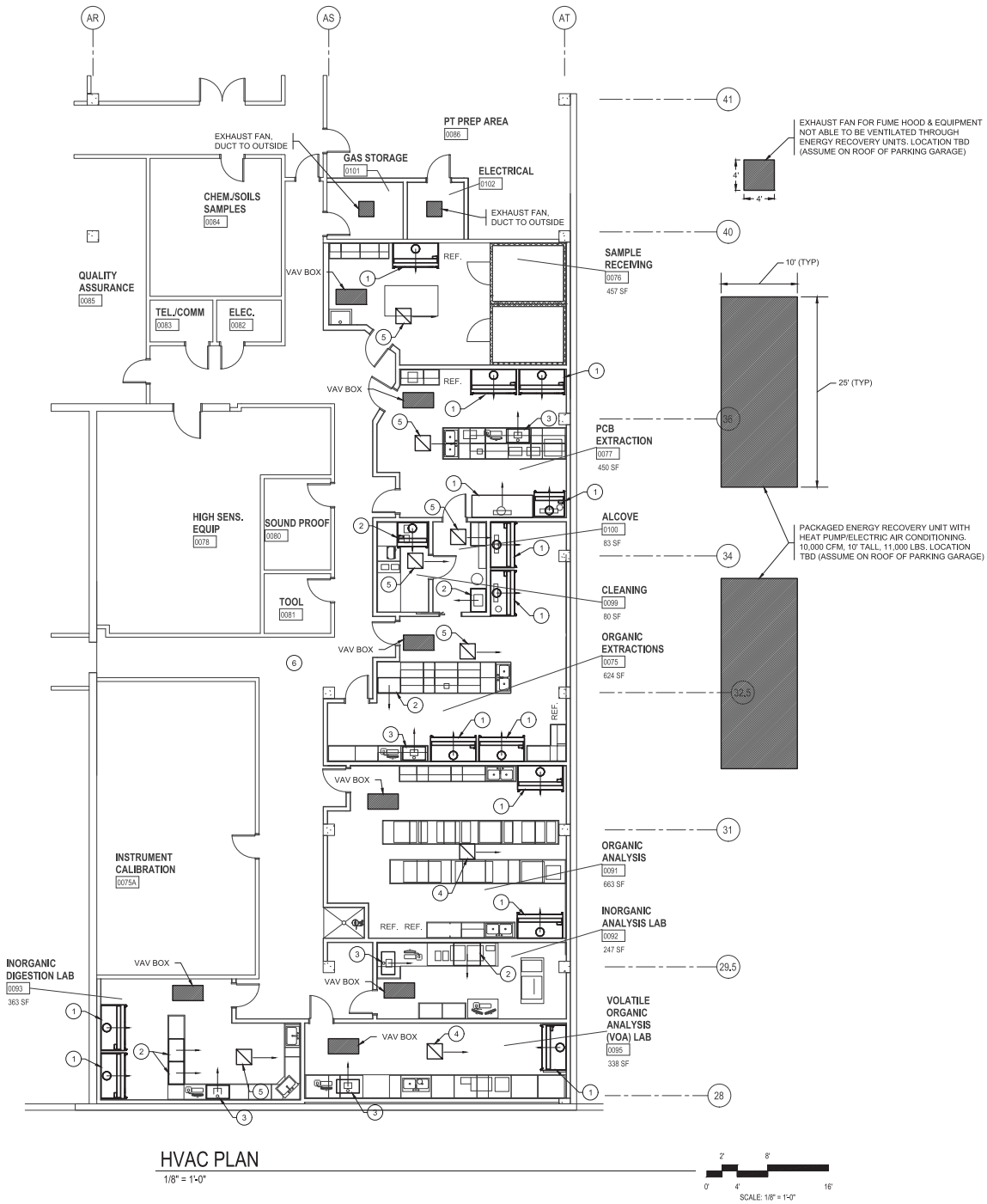
Notification Devices: ADA compliant audible and audible/visual devices in accordance with NFPA 72 and the Fire Code.

Wiring: Class B wiring installed in conduit.

HVAC

Heating, cooling and ventilation for the spaces will be handled by new packaged energy recovery ventilation (ERV) units with heat pump air conditioning and heating. Separate units are required due to heat loads from the muffle oven, gas chromameters, and related items.

The spaces will be maintained at temperatures and humidity for normal human occupancy. Special consideration will be given for lab equipment, which does better at 65-68 degrees. Continuous backup power (UPS) is essential for most of the equipment so that power interruptions or spikes don't cause damage. Vibration is not a huge concern, as the equipment is not particularly sensitive to vibration, except for analytical balances.



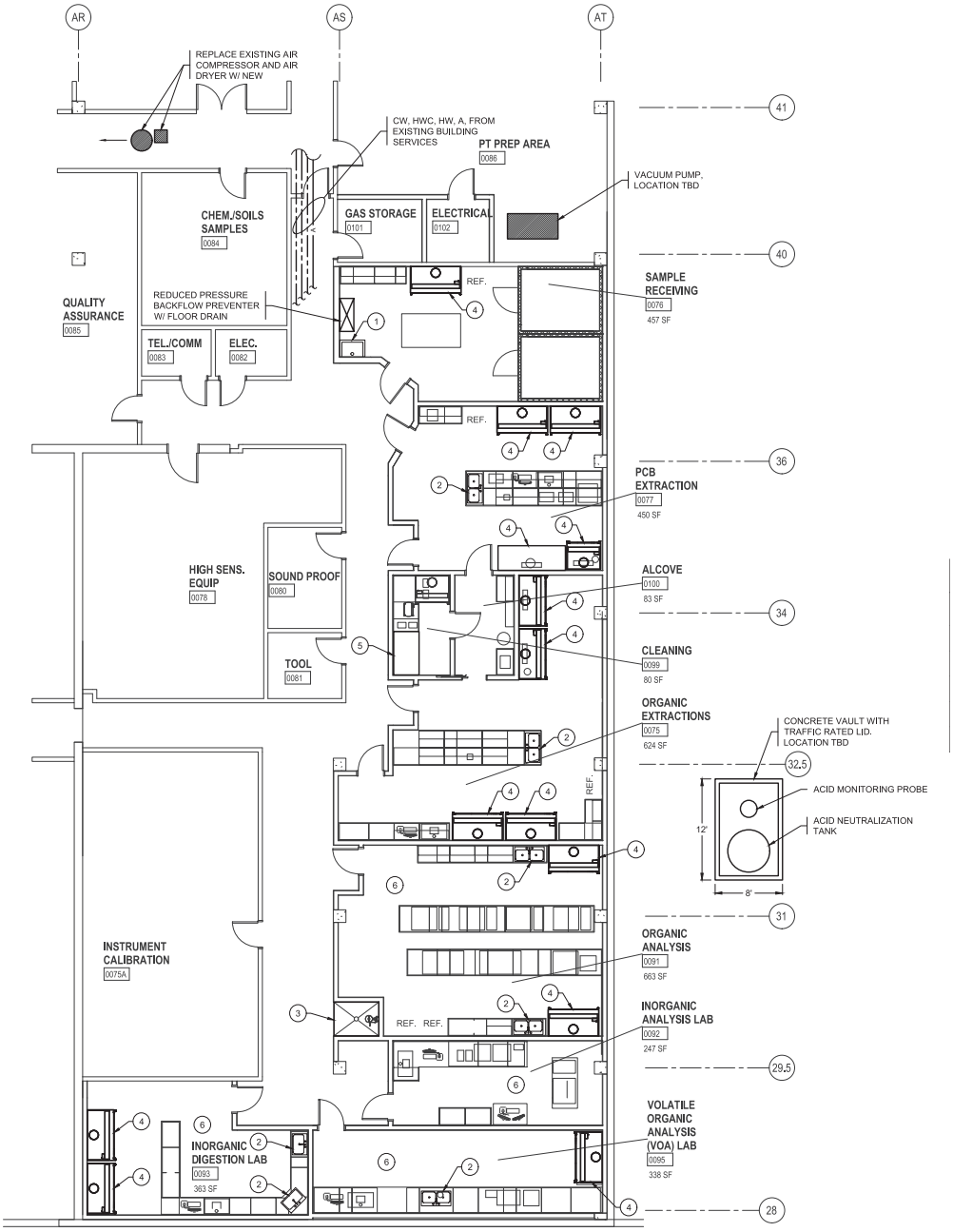
The exhaust for fume hoods, exhaust for the muffle oven, and exhaust for miscellaneous other items will be provided by the new energy recovery units. The new fume hood ductwork will be stainless steel construction.

Make up air will be ducted from the ERV's to variable air volume (VAV) boxes serving each lab. These will vary the airflow to each space to maintain proper space pressurization.

The HVAC system will be air balanced to provide negative air pressure in the lab areas, and positive air pressure in the adjacent corridors. Since extractions will be done in the same building as VOA, the VOA lab will require positive pressure to keep from pulling fumes into the lab. Especially Acetone, MtBE, and Methylene Chloride fumes, which are common extracting solutions for PCB, Pesticides, and B-N-A.

Plumbing

Domestic water can be provided from existing water routed nearby in the ceiling space. Sewer service will need to be provided by saw cutting the floor and routing to an acid neutralization tank with monitoring. Pull Down type eye washes will be adjacent to the double compartment sinks. Deionized (DI) water will be provided using a manufactured filtration system. Type II DI water will serve the dishwasher, and Type I DI water will be provided at a point of use dispenser. A combination emergency shower/eyewash will be located in the corridor outside of the labs.



PLUMBING PLAN
1/8" = 1'-0"

SCALE: 1/8" = 1'-0"

A vacuum pump will be provided, with vacuum piped to the fume hoods and other laboratory equipment requiring vacuum. The vacuum pump is planned to be located in the cylinder storage room. The unit would be controlled by a time clock to be off when vacuum is not required (i.e. off normal lab hours).

Compressed air will be provided to the fume hoods and other locations as required. The air will be provided from a new air compressor and dryer replacing the existing equipment. General filtration followed by a high quality coalescing type (water and oil removal) filter will be used to provide high quality clean air.

Nitrogen, helium, hydrogen, argon, methane, ammonia, and oxygen gases will be piped to the fume hoods and items requiring these gases from master cylinders located in the cylinder storage room. Instrument grade tubing would be used. The Cyromill has an adjacent liquid nitrogen cylinder.

Fire Sprinklers

The existing building fire sprinkler system will be modified to serve the remodeled area. The system is a wet pipe type, using water as the extinguishing agent. No special fire suppression system is planned.

Controls

A low oxygen alarm will be provided to alert occupants in case of low oxygen levels (due to a liquid nitrogen leak). The alarm will an audible/visual type in the room and be connected to the building energy management and control system (EMCS) to alarm remotely.

New HVAC system controls, compatible with the existing building EMCS, will be provided to control temperatures in the area. No humidification sensors or controls are planned.

i. Potential Environmental Impacts

As the area of work is in the basement of the existing headquarters building, there will be no environmental impacts to the surrounding area.

j. Parking and Access Issues

Parking stalls are already available for the additional 10 staff members that will be added after the tenant improvement is complete.

k. Impact on Surroundings

As the area of work is in the basement of the existing headquarters building, there will be no impact to the surrounding area.

4. C. Consistency with applicable Long-Term plans as required by RCW 43.88.110

45 days after the beginning of the fiscal period or within forty-five days after the governor signs the omnibus biennial appropriations act all agencies shall submit a statement of proposed expenditures.

Estimated project costs of preferred alternative:

Acquisition			
Acquisition Subtotal	**$0**	**Acquisition Subtotal Escalated**	**$0**

Consultant Services			
Predesign Services	$175,890		
Design Phase Services	$677,789		
Extra Services	$226,500		
Other Services	$312,014		
Design Services Contingency	$69,610		
Consultant Services Subtotal	**$1,461,803**	**Consultant Services Subtotal Escalated**	**$1,537,115**

Construction			
Maximum Allowable Construction Cost (MACC)	$7,076,603	Maximum Allowable Construction Cost (MACC) Escalated	$7,591,780
DBB Risk Contingencies	$0		
DBB Management	$0		
Owner Construction Contingency	$353,830		$379,589
Non-Taxable Items	$0		$0
Sales Tax	$743,173	Sales Tax Escalated	$797,276
Construction Subtotal	**$8,173,606**	**Construction Subtotal Escalated**	**$8,768,645**

Equipment			
Equipment	$5,390,050		
Sales Tax	$539,005		
Non-Taxable Items	$0		
Equipment Subtotal	**$5,929,055**	**Equipment Subtotal Escalated**	**$6,360,691**

Artwork			
Artwork Subtotal	**$0**	**Artwork Subtotal Escalated**	**$0**

Agency Project Administration			
Agency Project Administration Subtotal	$0		
DES Additional Services Subtotal	$0		
Other Project Admin Costs	$0		
Project Administration Subtotal	**$0**	**Project Administration Subtotal Escalated**	**$0**

Other Costs			
Other Costs Subtotal	**$0**	**Other Costs Subtotal Escalated**	**$0**

Project Cost Estimate			
Total Project	**$15,564,463**	Total Project Escalated	**$16,666,451**
		Rounded Escalated Total	**$16,666,000**

Comparison to cost estimate:
A cost estimate of $13,285,529 was provided in March 2022, escalated to the mid-point of construction in January 2025. As funding was not approved following that study, the new mid-point of construction is July 2026. The current construction cost estimate including installed equipment is **$16,666,000.**

4. D. Consistency with Laws & Regulations

i. High Performance Public Buildings - RCW 39.35D.020

The headquarters building obtained LEED Gold certification in 2013.

ii. State Efficiency and Environmental Performance (Executive Order 20-01)

New buildings to be designed as net zero, or net zero capable and include consideration of embodies carbon. The alternative is to exceed the state energy code.

The argument against meeting SEEP requirements:

- The proposed tenant improvement is 1.6% of the total existing building
- Unlike offices, lab equipment is energy intensive including high temperature ovens.

Steps that can be taken to toward meeting SEEP requirements:

- Levels of insulation exceeding code can be achieved in the walls.
- Adding a solar voltaic array to the ECY building would assist in generating power to offset the energy demands of the laboratory. This would increase the proposed cost of the project. To achieve full net zero would require a sizable investment in solar panels and shadow free land to put them on.
- The wood in cabinets includes embodied carbon. Phenolic resin countertops with RE technology (Fundermax) are more sustainable than epoxy countertops and include a Global Warming Potential (GWP) number. Phenolic resin countertops include a percentage of embodied carbon.

iii. State Energy Standards for Clean Buildings

The current building is meeting state energy standards.

iv. Compliance with Required Vehicle Charging Capability

ECY has charging stations set up at the building already. It will be possible to review the number of stations and the total number of staff in the building and decide if more are needed to support the new staff.



Entrance to parking at ECY Headquarters Building

v. Greenhouse Gas Emissions Reduction Policy

State limits on the emissions of greenhouse gas (RCW 70.235.020):
There will be no greenhouse gas emissions from the HVAC system serving the new lab. The HVAC system will be electric and utilize heat pumps. The HVAC & plumbing system for the proposed tenant improvement will not increase emissions, including greenhouse gases, beyond what the rest of the existing building may be producing. The tenant improvement will utilize a portion of the existing building's HVAC infrastructure. Additional components (such as the ventilation system) will be electric and utilize heat pumps which produce no emissions.

Goals to reduce annual per capita vehicle miles by 2050 (RCW 47.01.440):
ECY's headquarters are located in Thurston County. Rural county considerations are not applicable. Centrally locating staff in one building and campus better allows for carpooling as the Manchester Laboratory and ECY Headquarters buildings are 55 miles apart.

Applicable federal emissions reduction requirements:
No federal emissions reduction requirements apply to this project.



ECY Headquarters Building

vi. Archaeological and Cultural Resources

It is DAHP's opinion that no historic resources will be impacted by the current project as proposed. A copy of this letter is located in Appendix 4.

dahp
DEPT OF ARCHAEOLOGY + HISTORIC PRESERVATION
protect the past, shape the future

vii. Americans with Disabilities Act (ADA) Implementation

Any new work will be designed and constructed according to appropriate sections of the current Americans with Disabilities Act (ADA).

ADA
Americans with Disabilities Act

viii. Compliance with planning under Chapter 36.70A RCW, as required by RCW 43.88.0301

Alternate 3 will be designed, permitted, and built as a fully code compliant design for the new elements.

ix. Information required by RCW 43.88.0301(1) - Environmental Impacts of New Construction

By using an existing space that was originally designed for laboratory use we are eliminating the environmental impacts of new construction, either owned by the State or privately owned and leased.

The lab is designed to test for and prevent toxins in consumer products, which ultimately end up in landfills.

The laboratory is capable of testing fish, water, and soils for environmental contamination and so make recommendations for clean-up or protection of the environment.

x. Other Codes or Regulations

No other codes or regulations apply to this predesign.

4. E. Problems that Require Further Study

The laboratory requires an exhaust system from fume hoods and other equipment that will carry potentially hazardous gases away from the laboratory occupants. Special chimneys for exhausting toxins were built at the same time as the building. Additional engineering is required to move air to these chimneys or create new chimneys and vent it safely to meet current codes:

- o Nitric acid, hydrochloric acid, and sulfuric acid fumes will be exhausted from the metal's digestion/prep lab fume hood; thus, the need for stainless steel linings in the exhaust vents/ chimneys. Solvent fumes will be exhausted from the organic extraction/prep labs. The solvents include dichloromethane (methylene chloride) and acetone.

The laboratory equipment requires ionized water. Engineering to circulate the water is required.

Waste water from laboratory equipment and designated wastewater sinks has the potential to include toxic waste that must be filtered from entering the sewer system. Equipment is available for this task.

Power must remain uninterrupted for the laboratory equipment during testing. The electrical system, transfer switch and access to the generator must be engineered.

4. F. Distinguishable Components

There will be numerous items of new laboratory equipment needed for the project. A summary of this list is provided below. For the complete list of equipment, see Appendix 4.

Title	Quantity	Cost	Total Cost
FUME HOOD WITH EXHAUST	10	$14,875	$148,750
MICROWAVE WITH EXHAUST	3	$63,400	$190,200
MILLI-Q INTEGRAL 10 WATER PURIFICATION SYSTEM	1	$23,840	$23,840
Q-POD ULTRAPURE WATER REMOTE DISPENSER	1	$4,310	$4,310
MILLI-D WATER PURIFICATION SYSTEM FOR DEIONIZED WATER	1	$1,150	$1,150
FIRE RESISTANT STORAGE CABINETS	6	$2,800 - $5,000	$30,000
BALANCE; ENTRIS ANALYTICAL, 120 G	5	$4,000	$20,000
INSTRUMENT SHIELD	3	$1,470	$4,410
CLAMP LATTICE	4	$1,165	$4,660
CENTRIFUGE	2	$15,000	$30,000
STAINLESS STEEL CART	2	$517 - $605	$1,800
REFRIGERATOR / FREEZER	5	$3,500	$17,500
SOLID PHASE EXTRACTION MANIFOLD	1	$15,000	$15,000
ULTRASONIC BATH 2.5 GALLON	1	$15,000	$15,000
TALL STEEL CABINET	6	$475	$2,850
24 POSITION NITROGEN EVAPORATOR	4	$10,000	$40,000
MUFFLE OVEN	1	$11,000	$11,000
DISHWASHER	2	$12,100	$24,200
CRYOMILL	1	$10,750	$10,750
LIQUID CHROMATOGRAPH TANDEM MASS SPECTROMETER	1	$350,000	$700,000
GAS CHROMATOGRAPH MASS SPECTROMETER	2	$150,000	$300,000
GCMS / PURGE AND TRAP / AUTO SAMPLER	2	$150,000	$300,000
SONICATOR	1	$15,000	$15,000
RED FLAMMABLE CABINET	2	$1,495	$2,990
VORTEX MIXER	2	$1,000	$2,000
COMPUTER WORKSTATION	13	$1,000	$13,000
FUME HOOD WITH EXHAUST	1	$20,000	$20,000

Detailed Analysis of Preferred Alternative

Title	Quantity	Cost	Total Cost
LIQUID NITROGEN DEWAR	1	$2,000	$2,000.00
8900 TRIPLE QUADRUPOLE ICP-MS	1	$500,000	$500,000.00
GC FID	2	$40,000	$80,000.00
COUNTER MOUNTED PRINTER	6	$300	$1,800.00
FLOOR SINK WITH HOT AND COLD WATER	1	$1,500	$1,500.00
LAB FREEZER - ISOTEMP GENERAL PURPOSE	2	$5,330	$10,660.00
WALK-IN COOLER	2	$20,000	$40,000.00
FUME HOOD WITH EXHAUST	1	$13,000	$13,000.00
COMBUSTION ION CHROMATOGRAPH (IOC C MACHINE)	1	$80,000	$80,000.00
EDGE -AUTOMATED SOLVENT EXTRACTION SYSTEM	8	$80,000	$640,000.00
UNDER FUME HOOD FLAMMABLE CABINET	21	$2,225	$46,725.00
PLASTIC STOCK CART W/ 2 DRAWERS & 2 SHELVES	1	$254	$254
SURFACE MOUNTED FIRE EXTINGUISHER	8	$77	$616
FUME HOOD WITH EXHAUST	2	$14,500	$29,000
LIQUID NITROGEN TANK	1	$1,800	$1,800
UNDERCOUNTER REFRIGERATOR - TSG SERIES	1	$4,023	$4,023
COUNTER MOUNTED LAB OVEN	1	$1,025	$1,025
DIONEX ASE 350 ACCELERATED SOLVENT EXTRACTOR	1	$30,000	$30,000
RAPIDVAP VERTEX DRY EVAPORATOR	3	$20,000	$60,000
SOXTHERM	1	$25,000	$25,000
DEIONIZED WATER PURIFICATION SYSTEM	3	$15,000	$45,000
		Total	$3,560,813
		Sales Tax 9%*	$320,473
		GRAND TOTAL**	$3,881,286

**Sales tax of 9% current in Lacey, WA in 2024. A 6% escalation of the grand total cost due to inflation is anticipated each year.*
*** Grand total cost included here is for equipment only estimated in 2022. Additional cost shown in the C-100 for equipment include contractor mark-ups for administration and profit and yearly escalation cost projected into 2026.*

4. G. Technology Infrastructure

Some of the equipment requires continuous online monitoring to document changes in temperature etc. Each laboratory will have several computers for documenting results.

Telecommunications

General: New telecommunications outlets will be provided where required to support program needs. Aluminum multi-outlet assemblies will be utilized above lab bench tops. Cabling will be terminated on patch panels/blocks in existing MDF/IDF room to match existing building infrastructure. Additional patch panels will be provided if required.

Structured Cabling Infrastructure: Hierarchical star topology 100-ohm balanced twisted-pair backbone cabling installed between the TR and the MER and horizontal cabling from the workstation devices to the TR. Cabling plenum-rated where required by code.

- Horizontal Cabling: 100 ohm, 4-pair, Category 6A plenum rated unshielded twisted pair (UTP) cabling as defined in ANSI/ TIA –568-C Standard. Route directly to a same floor Telecommunications Room, maintaining a maximum length no greater than 90 meters between terminations and service loops. Splicing and transition points are prohibited.

Telecommunications Outlets: Category 6A, 8-position 8-conductor modular jack.

- Quantity of ports to be provided based on ANSI/TIA-1179 Healthcare Facility Telecommunications Infrastructure Standard.

Wireless Access Point (WAP): WAP requirements will be coordinate with operations and IT staff and provided to meet facility needs. Two CAT 6A cables shall be provided to each WAP location.

Pathways: Pathways shall be based on the construction type of each area of the building. In the administration areas of the building, the pathway shall consist of cable trays and open cabling systems. Open cabling support system consisting of cable saddles and j-hooks mounted on threaded rod supports acceptable above accessible ceilings. In the secure areas of the building, pathway shall consist of conduit to each outlet location.

The existing cabling in the under floor trench duct will be removed and replaced with overhead cabling.

4. H. Site Related or Physical Security Measures

The ECY headquarters building is a controlled environment with security cameras and security guards.

Access control card readers and electronic door hardware will be specified at the entry points into the labs. This provides the maximum flexibility and security for the space. The existing access control system will be expanded to accommodate the expanded capacity.

Composite security cabling, door contacts, and request to exit devices will be provided to all new security doors. Doors will be fail-secure with free egress so the labs will be secure in the case of loss of power.



ECY Headquarters Building

4. I. Planned Commissioning

Mechanical and electrical systems will be commissioned as required by the current edition of the Washington State Energy Code. Commissioning tasks will be performed by a firm experienced in such work to ensure systems perform as designed. Tasks will include developing a commissioning plan, performing pre-functional testing of mechanical systems, and functional testing of mechanical and electrical systems. The testing results will be assembled into a commissioning report and submitted to the Owner.

4. J. Future Phases

The available space is being maximized. No future phases are envisioned.

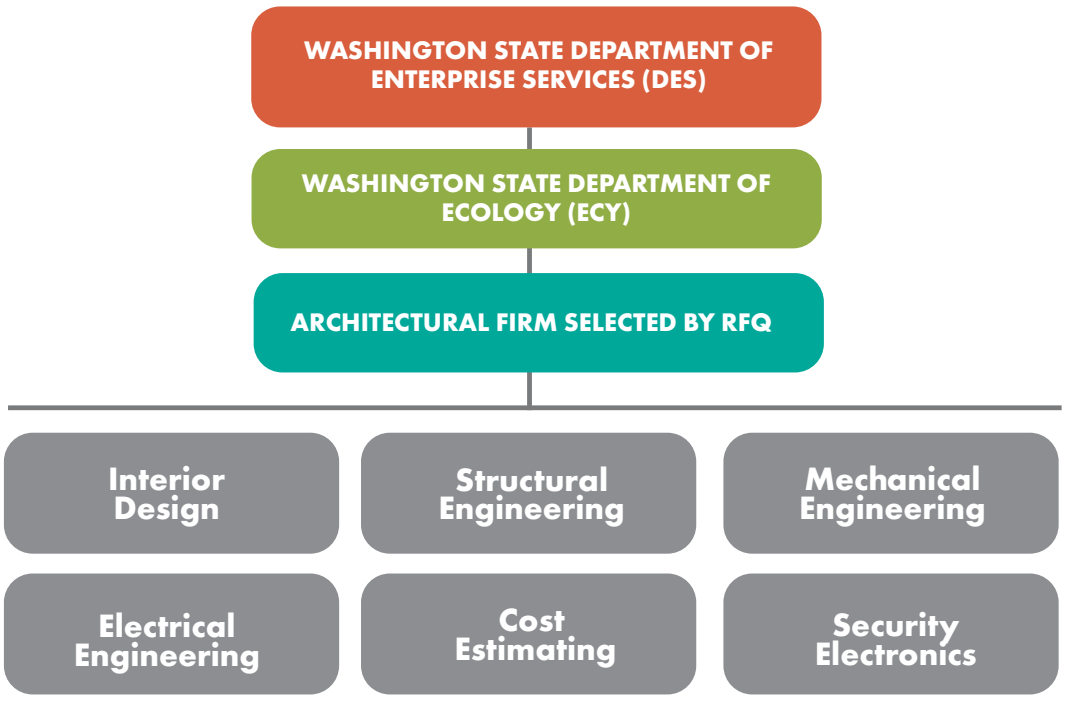
4. K. Project Management and Delivery Method Alternatives

i. Project Management in Agency Pros & Cons

	Pros	Cons
Design-Build	• Another professional reviewing the drawings and coordinating has value.	• Paying a contractor up front is not necessary.
Phased Construction		• Phased construction is not necessary, would slow the process and cost more.
General Contractor/ Construction Manager (GC/CM)	• Another professional reviewing the drawings and coordinating has value.	• Paying a contractor up front is not necessary.
Design/Bid/Build (Preferred)	• Conventional design/bid/build is preferred by ECY. Due to the highly detailed and technical nature of the required design, conventional design lends itself best to providing highly detailed drawings and engineering	

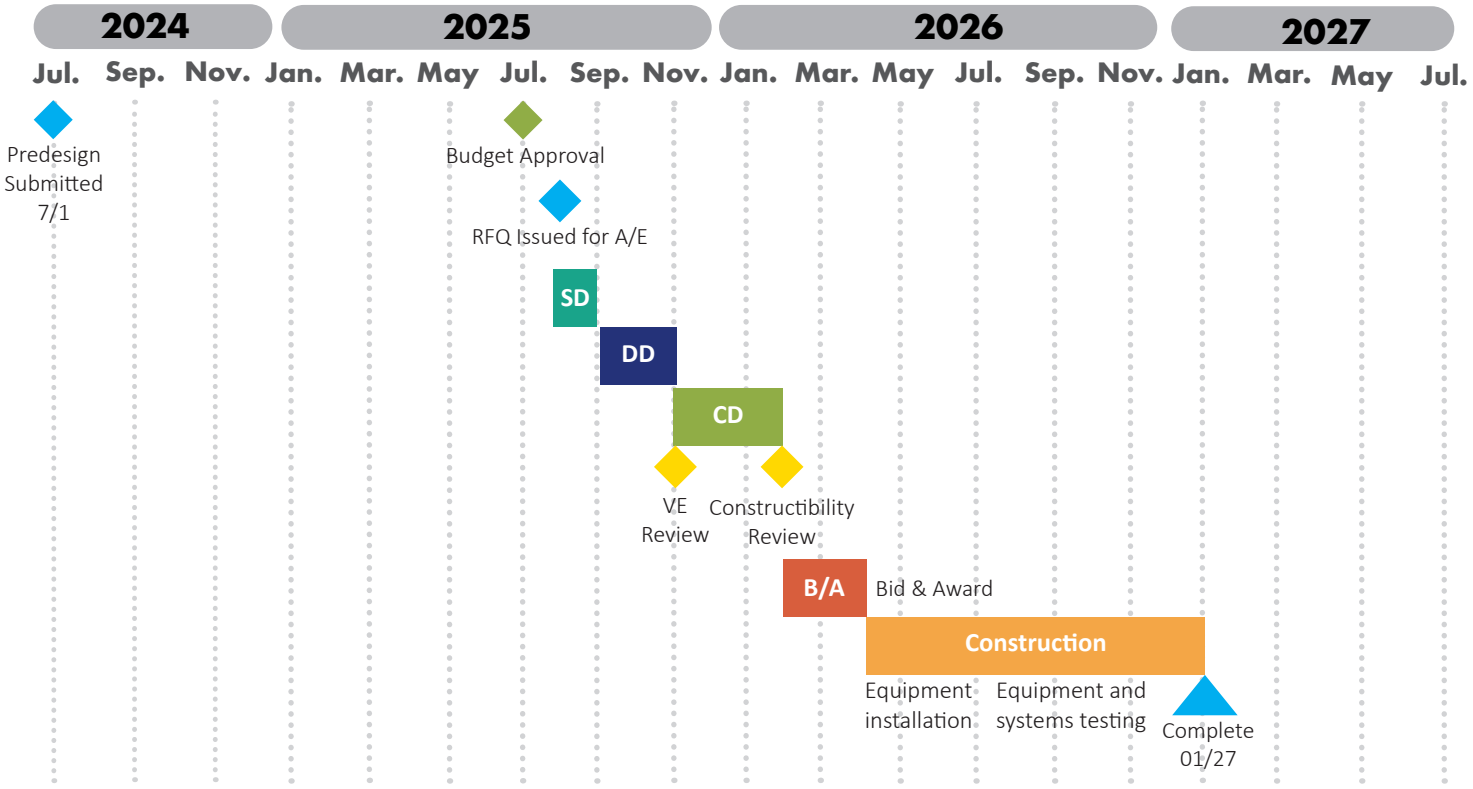
ii. How the Project will be Managed Within the Agency

Project management for this project will be provided by DES with Ecology Facilities Department acting as the liaison between DES and the Ecology program. An organizational chart with potential consultant services required is included below:



4. L. Schedule

i. High-Level Milestone Schedule - Preferred Alternative



ii. Value Engineering and Constructibility Review

Many of the systems cannot be compromised to function correctly for the intended purpose. It is our understanding that some of the equipment must be a specific model and brand and must interact as such with other equipment. Other equipment just needs to function for the intended purpose and there is some leeway in model and manufacture. The equipment and finish schedules, including casework and countertops can be coordinated with the owner's lab manager and set up to be proprietary as needed or offer three options (if they exist) to the contractor for bidding.

iii. Factors that may delay project schedule

Specialty equipment may require long lead times that will stretch equipment installation and testing.

iv. Permitting or local government ordinances

Permitting will fall under the jurisdiction of the City of Lacey.

v. Local Jurisdiction and Community Stakeholders

The City of Lacey is the local jurisdiction. No community stakeholder meetings will be part of this process

KMB architects

5 BUDGET ANALYSIS

5.0 Budget Analysis



5. A. Cost Estimate

i. Major Assumptions used in Preparing the Cost Estimate



The following assumptions were used in preparing the cost estimate:

- The midpoint of construction is assumed to be July 2026.
- The estimate is based on the Feasibility Study Drawings dated March 31, 2022.
- The escalation rate is based on the C-100 established rate.
- Soft costs are not included in the estimate by ProDims but are included in this predesign estimate.
- The cost estimate summary sheet markups are cumulative, not additive.
- The estimate is based on an 8 hour, 5 shift week.
- The estimate is based on receiving at least three bids.
- A list of equipment, cabinets, countertops, mechanical, electrical, and plumbing schematic design items were provided to the estimator.

ii. Summary Table of the Uniformat Level II Cost Estimates*

*Estimate below is for construction costs only and does not include A/E fees, permit fees, and furniture costs.

Laboratory Space Development
Department of Ecology
Lacey, WA

Pre-Design Estimate

February 6, 2024

PRODIMS
520 Kirkland Way, Suite 301
Kirkland, WA 98033
tel: (425) 828-0500
fax: (425) 828-0700
www.prodims.com

Estimate Summary

				Total Direct Cost	**$**	**8,093,994**
Design Contingency		15.0%	$ 1,214,099	*Subtotal*	$	9,308,093
General Conditions		18.0%	$ 1,675,457	*Subtotal*	$	10,983,549
Home Office Overhead		5.0%	$ 549,177	*Subtotal*	$	11,532,727
Profit		6.0%	$ 691,964	*Subtotal*	$	12,224,690
Escalation to midpoint of construction -	June, 2026	14.56%	$ 1,780,367	*Subtotal*	$	14,005,057
TOTAL ESTIMATED CONSTRUCTION COST - June, 2026				→	**$**	**14,005,057**

Estimate Assumptions:

This estimate is based on the Feasibility Study Drawings dated March 31, 2022.
The escalation rate used is 6% per year. Costs are escalated to the mid-point of construction of June, 2026
An escalation rate above 6% per year is not included in the estimate. This is important if general inflation exceeds this rate.
The estimate should be recalculated if escalation rates increase and/or if this estimate is older than six months.
All soft costs are the owner's responsibility to determine and verify. The Soft Costs estimate has been excluded from the construction cost estimate.
Hazardous Material Abatement IS NOT Included.
Furniture IS NOT Included

Estimate Qualifications:

Summary sheet markups are cumulative, not additive. Percentages are added to the previous subtotal rather than the direct cost subtotal.
Estimated labor is based on an 8 hour per day shift 5 days a week first shift. Accelerated schedule work of overtime has not been included.
Estimate is based on a competitive public bid with at least 3 bona fide submitted and unrescinded general contractor bids.
If only 1 or 2 bids are received the bids could be 40% to 100% more than the cost estimate is based on empirical experience.
Estimate is based on a competitive public bid with a minimum 4 week bidding schedule and no significant addendums within 2 weeks of bid opening.
Estimated construction cost is for the entire project. This estimate is not intended to be used for other projects.
Division 0/ Division 1 specifications are presumed to have normal ranges for liquidated damages, construction schedule and terms & conditions.
These divisions are typically written after the final estimate. Please contact the cost estimator for a review, if desired.
Please consult the cost estimator for any modifications to this estimate. Unilaterally adding and deleting markups, scope of work, schedule, specifications, plans and bid forms could incorrectly restate the project construction cost.
The construction cost estimate does not include an estimate of owner soft costs such as A/E fees, owner contingencies and permit fees.
Construction reserve contingency for change orders is not included in the estimate.
Any modifications to the plans via addendums and code review for permits will cause cost increases and are not included in this estimate.
Sole source supply of materials and/ or installers typically results in a 40% to 100% premium on costs over open specifications.
Imposition of tariffs and market instability of resources such as fuel, insurance and labor occurring after estimate date are not included.
Contractors imposing different bidding conditions from plans and specifications on subcontractors are not bidding from the plans and specifications.
Modifications to the proposed construction schedule and modifying the phasing plans after this estimate will affect construction cost and are not included.
The estimate includes a reasonable construction escalation that can be determined based on market conditions for up to the next 6 months.
Since this project has a midpoint of construction further than 6 months, increases in escalation are not included beyond the rate shown in the estimate.

iii. The C-100: Alternative 3 - Relocate Testing to the ECY's Headquarters Building

STATE OF WASHINGTON
AGENCY / INSTITUTION PROJECT COST SUMMARY
Updated June 2024

Agency	ECY- Department of Ecology
Project Name	EAP Lab Expansion (Alternative 3 - Relocate to Lacey HQ Building)
OFM Project Number	24-189

Contact Information	
Name	James Brown
Phone Number	360-789-4299
Email	jame461@ecy.wa.gov

Statistics			
Gross Square Feet	5,461	MACC per Gross Square Foot	$1,296
Usable Square Feet		Escalated MACC per Gross Square Foot	$1,390
Alt Gross Unit of Measure			
Space Efficiency	0.0%	A/E Fee Class	A
Construction Type	Laboratories (Research)	A/E Fee Percentage	13.22%
Remodel	Yes	Projected Life of Asset (Years)	
Additional Project Details			
Procurement Approach	DBB	Art Requirement Applies	No
Inflation Rate	3.33%	Higher Ed Institution	No
Sales Tax Rate %	10.00%	Location Used for Tax Rate	Lacey
Contingency Rate	5%		
Base Month (Estimate Date)	June-24	OFM UFI# (from FPMT, if available)	
Project Administered By	DES		

Schedule			
Predesign Start	January-24	Predesign End	June-24
Design Start	August-25	Design End	February-26
Construction Start	April-26	Construction End	January-27
Construction Duration	9 Months		

Green cells must be filled in by user

Project Cost Summary			
Total Project	$15,564,463	Total Project Escalated	$16,666,451
		Rounded Escalated Total	$16,666,000
Amount funded in Prior Biennia			**$0**
Amount in current Biennium			**$0**
Next Biennium			**$0**
Out Years			**$16,666,000**

iii. The C-100: Alternative 3 - Relocate Testing to the ECY's Headquarters Building

Acquisition			
Acquisition Subtotal	**$0**	**Acquisition Subtotal Escalated**	**$0**

Consultant Services			
Predesign Services	$175,890		
Design Phase Services	$677,789		
Extra Services	$226,500		
Other Services	$312,014		
Design Services Contingency	$69,610		
Consultant Services Subtotal	**$1,461,803**	**Consultant Services Subtotal Escalated**	**$1,537,115**

Construction			
Maximum Allowable Construction Cost (MACC)	$7,076,603	Maximum Allowable Construction Cost (MACC) Escalated	$7,591,780
DBB Risk Contingencies	$0		
DBB Management	$0		
Owner Construction Contingency	$353,830		$379,589
Non-Taxable Items	$0		$0
Sales Tax	$743,173	Sales Tax Escalated	$797,276
Construction Subtotal	**$8,173,606**	**Construction Subtotal Escalated**	**$8,768,645**

Equipment			
Equipment	$5,390,050		
Sales Tax	$539,005		
Non-Taxable Items	$0		
Equipment Subtotal	**$5,929,055**	**Equipment Subtotal Escalated**	**$6,360,691**

Artwork			
Artwork Subtotal	**$0**	**Artwork Subtotal Escalated**	**$0**

Agency Project Administration			
Agency Project Administration Subtotal	$0		
DES Additional Services Subtotal	$0		
Other Project Admin Costs	$0		
Project Administration Subtotal	**$0**	**Project Administration Subtotal Escalated**	**$0**

Other Costs			
Other Costs Subtotal	**$0**	**Other Costs Subtotal Escalated**	**$0**

Project Cost Estimate			
Total Project	**$15,564,463**	Total Project Escalated	**$16,666,451**
		Rounded Escalated Total	**$16,666,000**

5. B. Proposed Funding Sources

i. Funding Sources

Funding will be requested as a standard capital project obligation in the State budget process.

ii. Alternative Financing

No alternative financing was explored.



5. C. Facility Operations and Maintenance Requirements

i. Anticipated Impact of the Proposed Project on the Operating Budget

ECY's operating costs will not substantially change after the construction of the laboratory in the headquarters building.

The hiring of an additional 10 FTEs are anticipated to meet laboratory testing requirements. The costs of additional salaries and benefits will need to be addressed in the following biennium.

ii. Five Biennia of Capital and Operation Costs

As the space will be new, operating costs for upkeep should be minimal.

ii. Agency Responsible for Ongoing Maintenance

Department of Ecology is responsible for maintenance of the lab space.

5. D. Furniture, Fixtures and Equipment

Equipment costs are a substantial part of the budget and have been included. Fixtures, such as plumbing, electrical, and HVAC have been included.

Furniture and small handheld equipment have not been included at this time. The laboratories have minimal furniture but will require some glassware and other small portable equipment.

6 DOCUMENT APPENDICES

1 OFM Predesign Checklist

8.3 Appendices

Appendix 1: Predesign checklist and outline

A predesign should include the content detailed here. OFM will approve limited scope predesigns on a case-by-case basis.

Executive summary

Problem statement, opportunity, or program requirement

- ☐ Identify the problem, opportunity, or program requirement that the project addresses and how it will be accomplished.
- ☐ Identify and explain the statutory or other requirements that drive the project's operational programs and how these affect the need for space, location, or physical accommodations. Include anticipated caseload projections (growth or decline) and assumptions, if applicable.
- ☐ Explain the connection between the agency's mission, goals, and objectives; statutory requirements; and the problem, opportunity, or program requirements.
- ☐ Describe in general terms what is needed to solve the problem.
- ☐ Include any relevant history of the project, including previous predesigns or budget funding requests that did not go forward to design or construction.

Analysis of alternatives (including the preferred alternative)

- ☐ Describe all alternatives that were considered, including the preferred alternative. Include:
  - ☐ A no action alternative.
  - ☐ Advantages and disadvantages of each alternative. Please include a high-level summary table with your analysis that compares the alternatives, including the anticipated cost for each alternative.
  - ☐ Cost estimates for each alternative:
    - ☐ Provide enough information so decision makers have a general understanding of the costs.
    - ☐ Complete OFM's Life Cycle Cost Model (RCW 39.35B.050).
  - ☐ Schedule estimates for each alternative. Estimate the start, midpoint, and completion dates.

Detailed analysis of preferred alternative

- ☐ Nature of space – how much of the proposed space will be used for what purpose (i.e., office, lab, conference, classroom, etc.)
- ☐ Occupancy numbers.
- ☐ Basic configuration of the building, including square footage and the number of floors.
- ☐ Space needs assessment. Identify the guidelines used.
- ☐ Site analysis:
  - ☐ Identify site studies that are completed or under way and summarize their results.
  - ☐ Location.

- ☐ Building footprint and its relationship to adjacent facilities and site features. Provide aerial view, sketches of the building site and basic floorplans.
- ☐ Water rights and water availability.
- ☐ Stormwater requirements.
- ☐ Ownership of the site, easements, and any acquisition issues.
- ☐ Property setback requirements.
- ☐ Potential issues with the surrounding neighborhood, during construction and ongoing.
- ☐ Utility extension or relocation issues.
- ☐ Potential environmental impacts.
- ☐ Parking and access issues, including improvements required by local ordinances, local road impacts and parking demand.
- ☐ Impact on surroundings and existing development with construction lay-down areas and construction phasing.
- ☐ Consistency with applicable long-term plans (such as the Thurston County and Capitol campus master plans and agency or area master plans) as required by RCW 43.88.110.
- ☐ Consistency with other laws and regulations:
  - ☐ High-performance public buildings (Chapter 39.35D RCW).
  - ☐ State efficiency and environmental performance, if applicable (Executive Order 20-01).
  - ☐ State energy standards for clean buildings (RCW 19.27A.210).
  - ☐ Compliance with required vehicle charging capability for new buildings that provide on-site parking (RCW 19.27.540).
  - ☐ Greenhouse gas emissions reduction policy (RCW 70.235.070).
  - ☐ Archeological and cultural resources (Executive Order 05-05 and Section 106 of the National Historic Preservation Act of 1966). If mitigation is anticipated, please note this in the predesign with narrative about how mitigation is worked into the project schedule and budget.
  - ☐ Americans with Disabilities Act (ADA) implementation (Executive Order 96-04).
  - ☐ Compliance with planning under Chapter 36.70A RCW, as required by RCW 43.88.0301.
  - ☐ Information required by RCW 43.88.0301(1).
  - ☐ Other codes or regulations.
- ☐ Identify problems that require further study. Evaluate identified problems to establish probable costs and risk.
- ☐ Identify significant or distinguishable components, including major equipment and ADA requirements in excess of existing code.
- ☐ Identify planned technology infrastructure and other related IT investments that affect the building plans.
- ☐ Identify any site-related and/or physical security measures for the project.
- ☐ Describe planned commissioning to ensure systems function as designed.
- ☐ Describe any future phases or other facilities that will affect this project, including impacts to current lease contracts. Include detail on the need to backfill space or cost assumptions for vacant space.

- ☐ Provide a comparative discussion of the pros and cons of the project delivery methods considered for this project and offer a recommendation of proposed procurement method for the preferred alternative. The proposed method of project delivery must be justified.
- ☐ Describe how the project will be managed within the agency.
- ☐ Schedule.
- ☐ Provide a high-level milestone schedule for the project, including key dates for budget approval, design, bid, acquisition, construction, equipment installation, testing, occupancy and full operation.
- ☐ Incorporate value-engineering analysis and constructability review into the project schedule, as required by RCW 43.88.110(5)(c).
- ☐ Describe factors that may delay the project schedule.
- ☐ Describe the permitting or local government ordinances or neighborhood issues (such as location or parking compatibility) that could affect the schedule.
- ☐ Identify when the local jurisdiction will be contacted and whether community stakeholder meetings are a part of the process.

Project budget analysis for the preferred alternative

- ☐ Cost estimate.
  - ☐ Major assumptions used in preparing the cost estimate.
  - ☐ Summary table of Uniformat Level II cost estimates.
  - ☐ The C-100.
- ☐ Proposed funding.
  - ☐ Identify the fund sources and expected receipt of the funds.
  - ☐ If alternatively financed, such as through a COP, provide the projected debt service and fund source. Include the assumptions used for calculating finance terms and interest rates.
- ☐ Facility operations and maintenance requirements.
  - ☐ Define the anticipated impact of the proposed project on the operating budget for the agency or institution. Include maintenance and operating assumptions (including FTEs) and moving costs.
  - ☐ Show five biennia of capital and operating costs from the time of occupancy, including an estimate of building repair, replacement, and maintenance.
  - ☐ Identify the agency responsible for ongoing maintenance and operations, if not maintained by the owner.
- ☐ Clarify whether furniture, fixtures and equipment are included in the project budget. If not included, explain why.

Predesign appendices

- ☐ Completed Life Cycle Cost Model.
- ☐ A letter from DAHP.
- ☐ Title report for projects including proposed acquisition.

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2 Complete C-100s*

*Per OFM, LCCM does not apply to this project

STATE OF WASHINGTON
AGENCY / INSTITUTION PROJECT COST SUMMARY

Updated June 2024

Agency	ECY- Department of Ecology
Project Name	EAP Lab Expansion (Alternative 2 - New Laboratory Building)
OFM Project Number	24-189

Contact Information	
Name	James Brown
Phone Number	360-789-4299
Email	jame461@ecy.wa.gov

Statistics			
Gross Square Feet	7,260	MACC per Gross Square Foot	$1,147
Usable Square Feet		Escalated MACC per Gross Square Foot	$1,275
Alt Gross Unit of Measure			
Space Efficiency	0.0%	A/E Fee Class	A
Construction Type	Laboratories (Research)	A/E Fee Percentage	10.04%
Remodel	No	Projected Life of Asset (Years)	
Additional Project Details			
Procurement Approach	DBB	Art Requirement Applies	No
Inflation Rate	3.33%	Higher Ed Institution	No
Sales Tax Rate %	10.00%	Location Used for Tax Rate	Lacey
Contingency Rate	5%		
Base Month (Estimate Date)	June-24	OFM UFI# (from FPMT, if available)	
Project Administered By	DES		

Schedule			
Predesign Start	January-24	Predesign End	June-24
Design Start	August-26	Design End	February-27
Construction Start	April-27	Construction End	April-28
Construction Duration	12 Months		

Green cells must be filled in by user

Project Cost Summary

Total Project	$17,784,505	Total Project Escalated	$19,653,020
		Rounded Escalated Total	$19,653,000

Amount funded in Prior Biennia	**$0**
Amount in current Biennium	**$0**
Next Biennium	**$0**
Out Years	**$19,653,000**

Acquisition			
Acquisition Subtotal	**$980,000**	**Acquisition Subtotal Escalated**	**$980,000**

Consultant Services			
Predesign Services	$114,543		
Design Phase Services	$605,577		
Extra Services	$0		
Other Services	$272,071		
Design Services Contingency	$49,610		
Consultant Services Subtotal	**$1,041,801**	**Consultant Services Subtotal Escalated**	**$1,136,503**

Construction			
Maximum Allowable Construction Cost (MACC)	$8,325,253	Maximum Allowable Construction Cost (MACC) Escalated	$9,258,703
DBB Risk Contingencies	$0		
DBB Management	$0		
Owner Construction Contingency	$416,263		$463,342
Non-Taxable Items	$0		$0
Sales Tax	$874,266	Sales Tax Escalated	$972,332
Construction Subtotal	**$9,615,782**	**Construction Subtotal Escalated**	**$10,694,377**

Equipment			
Equipment	$5,588,111		
Sales Tax	$558,811		
Non-Taxable Items	$0		
Equipment Subtotal	**$6,146,922**	**Equipment Subtotal Escalated**	**$6,842,140**

Artwork			
Artwork Subtotal	**$0**	**Artwork Subtotal Escalated**	**$0**

Agency Project Administration			
Agency Project Administration Subtotal	$0		
DES Additional Services Subtotal	$0		
Other Project Admin Costs	$0		
Project Administration Subtotal	**$0**	**Project Administration Subtotal Escalated**	**$0**

Other Costs			
Other Costs Subtotal	**$0**	**Other Costs Subtotal Escalated**	**$0**

Project Cost Estimate			
Total Project	**$17,784,505**	Total Project Escalated	**$19,653,020**
		Rounded Escalated Total	**$19,653,000**

STATE OF WASHINGTON
AGENCY / INSTITUTION PROJECT COST SUMMARY

Updated June 2024

Agency	ECY- Department of Ecology
Project Name	EAP Lab Expansion (Alternative 3 - Relocate to Lacey HQ Building)
OFM Project Number	24-189

Contact Information	
Name	James Brown
Phone Number	360-789-4299
Email	jame461@ecy.wa.gov

Statistics			
Gross Square Feet	5,461	MACC per Gross Square Foot	$1,296
Usable Square Feet		Escalated MACC per Gross Square Foot	$1,390
Alt Gross Unit of Measure			
Space Efficiency	0.0%	A/E Fee Class	A
Construction Type	Laboratories (Research)	A/E Fee Percentage	13.22%
Remodel	Yes	Projected Life of Asset (Years)	
Additional Project Details			
Procurement Approach	DBB	Art Requirement Applies	No
Inflation Rate	3.33%	Higher Ed Institution	No
Sales Tax Rate %	10.00%	Location Used for Tax Rate	Lacey
Contingency Rate	5%		
Base Month (Estimate Date)	June-24	OFM UFI# (from FPMT, if available)	
Project Administered By	DES		

Schedule			
Predesign Start	January-24	Predesign End	June-24
Design Start	August-25	Design End	February-26
Construction Start	April-26	Construction End	January-27
Construction Duration	9 Months		

Green cells must be filled in by user

Project Cost Summary

Total Project	$15,564,463	Total Project Escalated	$16,666,451
		Rounded Escalated Total	$16,666,000

Amount funded in Prior Biennia	**$0**
Amount in current Biennium	**$0**
Next Biennium	**$0**
Out Years	**$16,666,000**

Acquisition			
Acquisition Subtotal	**$0**	**Acquisition Subtotal Escalated**	**$0**

Consultant Services			
Predesign Services	$175,890		
Design Phase Services	$677,789		
Extra Services	$226,500		
Other Services	$312,014		
Design Services Contingency	$69,610		
Consultant Services Subtotal	**$1,461,803**	**Consultant Services Subtotal Escalated**	**$1,537,115**

Construction			
Maximum Allowable Construction Cost (MACC)	$7,076,603	Maximum Allowable Construction Cost (MACC) Escalated	$7,591,780
DBB Risk Contingencies	$0		
DBB Management	$0		
Owner Construction Contingency	$353,830		$379,589
Non-Taxable Items	$0		$0
Sales Tax	$743,173	Sales Tax Escalated	$797,276
Construction Subtotal	**$8,173,606**	**Construction Subtotal Escalated**	**$8,768,645**

Equipment			
Equipment	$5,390,050		
Sales Tax	$539,005		
Non-Taxable Items	$0		
Equipment Subtotal	**$5,929,055**	**Equipment Subtotal Escalated**	**$6,360,691**

Artwork			
Artwork Subtotal	**$0**	**Artwork Subtotal Escalated**	**$0**

Agency Project Administration			
Agency Project Administration Subtotal	$0		
DES Additional Services Subtotal	$0		
Other Project Admin Costs	$0		
Project Administration Subtotal	**$0**	**Project Administration Subtotal Escalated**	**$0**

Other Costs			
Other Costs Subtotal	**$0**	**Other Costs Subtotal Escalated**	**$0**

Project Cost Estimate			
Total Project	**$15,564,463**	Total Project Escalated	**$16,666,451**
		Rounded Escalated Total	**$16,666,000**

STATE OF WASHINGTON
AGENCY / INSTITUTION PROJECT COST SUMMARY

Updated June 2024

Agency	ECY- Department of Ecology
Project Name	EAP Lab Expansion (Alternative 4 - Lease Required Space)
OFM Project Number	24-189

Contact Information	
Name	James Brown
Phone Number	360-789-4299
Email	jame461@ecy.wa.gov

Statistics			
Gross Square Feet	7,000	MACC per Gross Square Foot	$650
Usable Square Feet		Escalated MACC per Gross Square Foot	$696
Alt Gross Unit of Measure			
Space Efficiency	0.0%	A/E Fee Class	A
Construction Type	Laboratories (Research)	A/E Fee Percentage	13.70%
Remodel	Yes	Projected Life of Asset (Years)	10
Additional Project Details			
Procurement Approach	DBB	Art Requirement Applies	No
Inflation Rate	3.33%	Higher Ed Institution	No
Sales Tax Rate %	10.00%	Location Used for Tax Rate	
Contingency Rate	5%		
Base Month (Estimate Date)	June-24	OFM UFI# (from FPMT, if available)	
Project Administered By			

Schedule			
Predesign Start	January-24	Predesign End	June-24
Design Start	August-25	Design End	December-25
Construction Start	April-26	Construction End	December-26
Construction Duration	8 Months		

Green cells must be filled in by user

Project Cost Summary

Total Project	$12,199,952	Total Project Escalated	$13,054,102
		Rounded Escalated Total	$13,054,000

Amount funded in Prior Biennia	**$0**
Amount in current Biennium	**$0**
Next Biennium	**$0**
Out Years	**$13,054,000**

Acquisition			
Acquisition Subtotal	**$0**	**Acquisition Subtotal Escalated**	**$0**

Consultant Services			
Predesign Services	$114,543		
Design Phase Services	$451,588		
Extra Services	$0		
Other Services	$202,887		
Design Services Contingency	$38,451		
Consultant Services Subtotal	**$807,470**	**Consultant Services Subtotal Escalated**	**$849,333**

Construction			
Maximum Allowable Construction Cost (MACC)	$4,549,710	Maximum Allowable Construction Cost (MACC) Escalated	$4,874,105
DBB Risk Contingencies	$0		
DBB Management	$0		
Owner Construction Contingency	$227,486		$243,706
Non-Taxable Items	$0		$0
Sales Tax	$477,785	Sales Tax Escalated	$511,851
Construction Subtotal	**$5,254,980**	**Construction Subtotal Escalated**	**$5,629,662**

Equipment			
Equipment	$5,188,621		
Sales Tax	$518,862		
Non-Taxable Items	$0		
Equipment Subtotal	**$5,707,483**	**Equipment Subtotal Escalated**	**$6,114,427**

Artwork			
Artwork Subtotal	**$0**	**Artwork Subtotal Escalated**	**$0**

Agency Project Administration			
Agency Project Administration Subtotal	$430,019		
DES Additional Services Subtotal	$0		
Other Project Admin Costs	$0		
Project Administration Subtotal	**$430,019**	**Project Administration Subtotal Escalated**	**$460,680**

Other Costs			
Other Costs Subtotal	**$0**	**Other Costs Subtotal Escalated**	**$0**

Project Cost Estimate

Total Project	**$12,199,952**	Total Project Escalated	**$13,054,102**
		Rounded Escalated Total	**$13,054,000**

3 DAHP Letter

Allyson Brooks Ph.D., Director
State Historic Preservation Officer

April 5, 2024

James Brown
Project Manager
WA Department of Ecology

In future correspondence please refer to:
Project Tracking Code: 2024-03-02061
Property: Department of Ecology Headquarters - Consumer Products Testing laboratory
Re: No Historic Resources Impacted

Dear James:

Thank you for contacting the Washington State Department of Archaeology and Historic Preservation (DAHP) regarding the above referenced proposal. This action has been reviewed on behalf of the State Historic Preservation Officer (SHPO) under provisions of Governor's Executive Order 21-02. Our review is based upon documentation provided in your submittal.

It is our opinion that no historic resources will be impacted by the current project as proposed.

As a result of our opinion, further contact with DAHP on this proposal is not necessary. However, if new information about affected resources becomes available and/or the project scope of work changes significantly, please resume consultation as our assessment may be revised. Also, if any archaeological resources are uncovered during construction, please halt work immediately in the area of discovery and contact the appropriate Native American Tribes and DAHP for further consultation.

Thank you for the opportunity to review and comment. If you have any questions, please feel free to contact me.

Sincerely,

Maddie Levesque, M.A
Architectural Historian
(360) 819-7203
Maddie.Levesque@dahp.wa.gov

4 Full Equipment Schedule

DEPARTMENT OF ECOLOGY LABORATORY FEASIBILITY STUDY
SAMPLE RECEIVING

TAG	TITLE	BRAND	MODEL NUMBER	QUANITY
A1	FUME HOOD WITH EXHAUST	LABCONCO	100600040	1
A11	STAINLESS STEEL CART	LAKESIDE	11-954-754	3
A12	REFRIGERATOR/FREEZER	THERMO SCIENTIFIC	ES SERIES 263C-AXW-TS	1
A32	FLOOR SINK WITH HOT AND COLD WATER	CROWNE	MS-2424	1
A33	LAB FREEZER- ISOTEMP GENERAL PURPOSE	FISHERBRAND	-	2
A34	WALK-IN -COOLER	NORLAKE KOLD LOCKER	KL137769-C	2
A38	UNDER FUME HOOD FLAMMABLE CABINET	USA SAFETY	CB883000DJR	2

DEPARTMENT OF ECOLOGY LABORATORY FEASIBILITY STUDY
CLEANING

TAG	TITLE	BRAND	MODEL NUMBER	QUANITY
A11	STAINLESS STEEL CART	LAKESIDE	11-954-754	1
A14	ULTRASONIC BATH 2.5 GALLON	BRANSON	MODEL 5800- CPX-952-517R	1
A17	MUFFLE OVEN	THERMO SCIENTIFIC	F48028B0	1
A18	DISHWASHER	LABCONCO	41103202	2
A19	CRYOMILL	RETSCH	20.745.0001	1
A28	LIQUID NITROGEN DEWAR	THOMAS SCIENTIFIC	WR8.2186B5	1
A39	PLASTIC STOCK CART W/ 2 DRAWERS & 2 SHELVES	GLOBAL INDUSTRIAL	WR988842	1

DEPARTMENT OF ECOLOGY LABORATORY FEASIBILITY STUDY
ORGANIC EXTRACTIONS

TAG	TITLE	BRAND	MODEL NUMBER	QUANITY
A1	FUME HOOD WITH EXHAUST	LABCONCO	100600040	4
A2	MICROWAVE WITH EXHAUST	CEM CORPORATION	MARS 6	1
A6	FIRE RESISTANT STORAGE CABINETS	LABCONCO	VARIES	2
A7	BALANCE; ENTRIS ANALYTICAL, 120G	SARTORIUS	ENTRIS124-SUS	1
A8	INSTRUMENT SHIELD	CLEATECH	-	1
A10	CENTRIFUGE	EPPENDORF	5-495000042	1
A12	REFRIGERATOR/ FREEZER	THERMO SCIENTIFIC	ES SERIES 263C-AXW-TS	1
A16	24 POSITION NITROGEN EVAPORATOR	ORGANOMATION	1:1250-2E	1
A25	VORTEX MIXER	THERMO SCIENTIFIC	88880017	1
A37	EDGE- AUTOMATED SOLVENT EXTRACTION SYSTEM	CEM	-	4
A38	UNDER FUME HOOD FLAMMABLE CABINET	USA SAFETY	CB883000DJR	8
A54	DEIONIZED WATER PURIFICATION SYSTEM	LABSTAC	-	1

DEPARTMENT OF ECOLOGY LABORATORY FEASIBILITY STUDY
ORGANIC ANALYSIS

TAG	TITLE	BRAND	MODEL NUMBER	QUANITY
A1	FUME HOOD WITH EXHAUST	LABCONCO	100600040	2
A6	FIRE RESISTANT STORAGE CABINETS	LABCONCO	VARIES	2
A12	REFRIGERATOR/ FREEZER	THERMO SCIENTIFIC	ES SERIES 263C-AXW-TS	2
A20	LIQUID CHROMATOGRAPH TANDEM MASS SPECTROMETER	AGILENT	1260 SINGLE MS	2
A21	GAS CHROMATOGRAPH MASS SPECTROMETER	AGILENT	7890B GC	2
A24	RED FLAMMABLE CABINET	CONDOR	4R1489	1
A26	COMPUTER WORKSTATION	-	-	7
A29	8900 TRIPLE QUADRUPOLE ICP-MS	AGILENT	8800 ICP-QQQ	2
A30	GC F.I.D	AGILENT	7890B GC WITH F.I.D	1
A38	UNDER FUME HOOD FLAMMABLE CABINET	USA SAFETY	CB883000DJR	4
A42	LIQUID NITROGEN TANK	THERMO FISHER SCIENTIFIC	11-670-SC	1
A46	ARGON GAS TANK	-	-	1
A47	HYDROGEN GAS TANK	-	-	1
A48	HELIUM GAS TANK	-	-	3

DEPARTMENT OF ECOLOGY
LABORATORY FEASIBILITY STUDY

TAG	TITLE	BRAND	MODEL NUMBER	QUANITY	COST	TOTAL COST	WIDTH	DEPTH	HEIGHT	HVAC	PLUMBING	ELECTRICAL	REMARKS
A1	FUME HOOD WITH EXHAUST	LABCONCO	100600040	10	$14,875	$148,750	72"	31.75"	66"	EXHAUST	-	110-115 VOLTS, 60 HZ, 10 AMPS	REQUIRES 36" HIGH X 36" DEEP COUNTER
A2	MICROWAVE WITH EXHAUST	CEM CORPORATION	MARS 6	3	$63,4000	$190,200	-	-	-	EXHAUST	-	-	
A3	MILLI-Q INTEGRAL 10 WATER PURIFICATION SYSTEM	EMD MILLIPORE	ZRXQ010US	1	$23,840	$23,840	19.7"	13"	19"	-	REQUIRED	110-230 VOLTS, 50-60 HZ, ETHERNET	COULD BE 3, 5, 10 OR 15 STAGE PURIFICATION
A4	Q-POD ULTRAPURE WATER REMOTE DISPENSER	EMD MILLIPORE	ZMQSPD001	1	$4,310	$4,310	9"	9"	22.8"	-	REQUIRED	110-230 VOLTS, 50-60 HZ	
A5	MILLI-D WATER PURIFICATION SYSTEM FOR DEIONIZED WATER	EMD MILLIPORE	ZFCD00001	1	$1,150	$1,150	10.6"	16.9"	6.7"	-	REQUIRED	9V BATTERY (SUPPLIED WITH SYSTEM)	
A6	FIRE RESISTANT STORAGE CABINETS	LABCONCO	VARIES	6	$2,920-5,010	$30,000	VARIES	VARIES	VARIES				
A7	BALANCE; ENTRIS ANALYTICAL, 120G	SARTORIUS	ENTRIS124-SUS	5	$4,000	$20,000	9"	12"	13"			120V/240V, 1A, 2W, 1PH, 50/60 HZ	
A8	INSTRUMENT SHIELD	CLEATECH		3	$1,470	$4,410	36"	24"	25"	EXHAUST			
A9	CLAMP LATTICE	SAFETY EMPORIUM	22005-C	4	$1,165.00	$4,660.00	62"	12"	36"				
A10	CENTRIFUGE	EPPENDORF	5-495000042	2	$15,000	$30,000	24"	39"	24"			120V, 50-60 HZ	
A11	STAINLESS STEEL CART	LAKESIDE	11-954-754	4	$517-600.00	$1,800	30.75"	18.38"	33"				
A12	REFRIGERATOR/ FREEZER	THERMO SCIENTIFIC	ES SERIES 263C-AXW-TS	5	$3,500.00	$17,500	30"	30"	66.63"			115V, 60 HZ	PROVIDE DATA OUTLET
A13	SOLID PHASE EXTRACTION MANIFOLD	LAB SAFETY SUPPLY	462323	1	$15,000	$15,000	38.5"	9.6"	9.6"				IN FUME HOOD
A14	ULTRASONIC BATH 2.5 GALLON	BRANSON	MODEL 5800- CPX-952-517R	1	$15,000	$15,000	15.8"	14.9"	15.6"			115 V, OR 230V	60 MINUTE TIMER WITH HEAT
A15	TALL STEEL CABINET	GLOBAL INDUSTRIAL	WR9033598K	6	$475.00	$2,850.00	36"	18"	78"				
A16	24 POSITION NITROGEN EVAPORATOR	ORGANOMATION	11250-2E	4	$10,000	$40,000	-	-	-			240 V	IN FUME HOOD
A17	MUFFLE OVEN	THERMO SCIENTIFIC	F48028B0	1	$11,000	$11,000.00	-	-	-	EXHAUST		240V, 1800W, 7.5A	5.9L, 100-1200 CELSIUS
A18	DISHWASHER	LABCONCO	41103202	2	$12,100.00	$24,200.00	24.1"	27.4"	36.1"		REQUIRED	115 V, 16A	
A19	CRYOMILL	RETSCH	20.745.0001	1	$10,750.00	$10,750.00	14.625"	19"	15"	EXHAUST		110-240 VAC, 50-60 HZ	
A20	LIQUID CHROMATOGRAPH TANDEM MASS SPECTROMETER	AGILENT	1260- SINGLE MS	2	$350,000	$700,000	-	-	-	EXHAUST, COMPRESSED AIR	PUMPS		9' X 30' COUNTER SPACE
A21	GAS CHROMATOGRAPH MASS SPECTROMETER	AGILENT	7890B GC	2	$150,000	$300,000	-	-	-				
A22	GCMS PURGE AND TRAP / AUTO SAMPLER	AGILENT	7890B GC WITH ADD ONS	1	$150,000	$300,000	-	-	-	EXHAUST	PUMPS		
A23	SONICATOR	QSONICA	Q800R3	1	$15,000	$15,000	11.5"	12"	20"			110 V, 50/60 HZ	PROVIDE DATA OUTLET & LOCATED IN
A24	RED FLAMMABLE CABINET	CONDOR	4R1489	2	$1,495.00	$2,990	36"	24"	35"				ORGANIC ANALYSIS LAB
A25	VORTEX MIXER	THERMO SCIENTIFIC	88880017	2	$1,000.00	$2,010.00	6.1"	8.3"	3.3"			100 TO 240 V, 50/60 HZ	
A26	COMPUTER WORKSTATION	-	-	13	1,000	$13,000.00	-	-	-				PROVIDE DATA OUTLET
A27	FUME HOOD WITH EXHAUST	LABCONCO	100600000	1	$20,000.00	$20,000	96"	31.7"	59"	EXHAUST		110-115 VOLTS, 60 HZ, 10 AMPS	REQUIRES 36" HIGH X 36" DEEP COUNTER
A28	LIQUID NITROGEN DEWAR	THOMAS SCIENTIFIC	WR8218B85	1	$2,000.00	$2,000.00	18" DIA	18" DIA	24"				
A29	8900 TRIPLE QUADRUPOLE ICP-MS	AGILENT	8900 ICP-QQQ	1	$500,000.00	$500,000.00	-	-	-	EXHAUST	PUMPS		LOCATED IN ORGANIC ANALYSIS LAB
A30	G.C F.I.D	AGILENT	7890B GC WITH F.I.D	1	$40,000.00	$80,000.00	-	-	-	EXHAUST	PUMPS		LOCATED IN ORGANIC EXTRACTION LAB
A31	COUNTER MOUNTED PRINTER	-	-	6	$300.00	$1,800.00	-	-	-		-		PROVIDE DATA OUTLET, NOT SHOWN ON PLANS
A32	FLOOR SINK WITH HOT AND COLD WATER	CROWNE	MS-2424	1	$1,500.00	$1,500.00	24"	24"	13"	-	REQUIRED	-	
A33	LAB FREEZER- ISOTEMP GENERAL PURPOSE	FISHERBRAND	-	2	5,3330.00	10,660.00	27.75"	32"	81"		-	115V, 60 HZ	PROVIDE DATA OUTLET
A34	WALK-IN -COOLER	NORLAKE KOLD LOCKER	KL137769-C	2	20,000	40,000	6'-0"	6'-0"	7'-7"	EXHAUST	-	208-230 V	
A35	FUME HOOD WITH EXHAUST	LABCONCO	100400000	1	$13,000.00	$13,000.00	4'-0"	31.7"	59"	EXHAUST		110-115 VOLTS, 60 HZ, 10 AMPS	REQUIRES 36" HIGH X 36" DEEP COUNTER
A36	COMBUSTION ION CHROMATOGRAPH (OCC MACHINE)	METROHM	2.930.9010	1	$80,000.00	$80,000	-	-	-	-			
A37	EDGE- AUTOMATED SOLVENT EXTRACTION SYSTEM	CEM		8	$80,000.00	$640,000.00	-	-	-	-			IN FUME HOOD
A38	UNDER FUME HOOD FLAMMABLE CABINET	USA SAFETY	CB883000DJR	21	$2,225.00	$46,725.00	30"	22"	36"	-			
A39	PLASTIC STOCK CART W/ 2 DRAWERS & 2 SHELVES	GLOBAL INDUSTRIAL	WR988842	1	$253.95	$253.95	26"	36"	32"				
A40	SURFACE MOUNTED FIRE EXTINGUISHER	U LINE		8	$77.00	$616.00	-	-	-				
A41	FUME HOOD WITH EXHAUST	NUAIRE FUME GARD	NU-162	2	$14,500.00	$29,000.00	72"	31"	54"	EXHAUST		110-115 VOLTS, 60 HZ, 10 AMPS	REQUIRES 36" HIGH X 36" DEEP COUNTER
A42	LIQUID NITROGEN TANK	THERMO FISHER SCIENTIFIC	11-670-SC	1	$1,800.00	$1,800.00	14.5" DIA	-	24.7"				
A43	UNDERCOUNTER REFRIGERATOR- TSG SERIES	THERMO FISHER SCIENTIFIC	TSG505SA	1	4,023.00	4,023.00	-	-	-			110-240V, 50-60 HZ	PROVIDE DATA OUTLET
A44	COUNTER MOUNTED LAB OVEN	QUINCY LAB INC	40GCE	1	1,025.00	1,025.00	18"	21.8"	14"	EXHAUST		115-12.5 V, 1500 W	
A45	METHANE GAS TANK	-	-	-	-	-	-	-	-				
A46	ARGON GAS TANK	-	-	-	-	-	-	-	-				
A47	HYDROGEN GAS TANK	-	-	-	-	-	-	-	-				
A48	HELIUM GAS TANK	-	-	-	-	-	-	-	-				
A49	AMMONIA GAS TANK	-	-	-	-	-	-	-	-				
A50	OXYGEN GAS TANK	-	-	-	-	-	-	-	-				
A51	DIONEX ASE 350 ACCELERATED SOLVENT EXTRACTOR	THERMO FISHER SCIENTIFIC	083114	1	$30,000	$30,000	27.3"	26.5"	24.3"			120V	
A52	RAPIDVAP VERTEX DRY EVAPORATOR	LABCONCO	7320020	3	$20,000	$60,000	20.4"	11.2"	13"			115 V, 60HZ	
A53	SOXTHERM	GERHARDT	-	1	$25,000.00	$25,000.00	15"	16"	22.83"			2.8 VAC, 50-60 HZ	
A54	DEIONIZED WATER PURIFICATION SYSTEM	LABSTAC	-	3	$15,000.00	$45,000.00	-	-	-	REQUIRED			
	TOTAL					$3,560,132.95							
	SALES TAX 9%					$320,473.16							
	GRAND TOTAL					$3,881,286.11							

DEPARTMENT OF ECOLOGY LABORATORY FEASIBILITY STUDY
INORGANIC ANALYSIS

TAG	TITLE	BRAND	MODEL NUMBER	QUANITY
A7	BALANCE; ENTRIS ANALYTICAL, 120G	SARTORIUS	ENTRIS124-SUS	2
A23	SONICATOR	QSONICA	Q800R3	1
A26	COMPUTER WORKSTATION	-	-	1
A29	8900 TRIPLE QUADRUPOLE ICP-MS	AGILENT	8800 ICP-QQQ	1
A36	COMBUSTION ION CHROMATOGRAPH (OCC MACHINE)	METROHM	2.930.9010	1
A46	ARGON GAS TANK	-	-	2
A47	HYDROGEN GAS TANK	-	-	1
A48	HELIUM GAS TANK	-	-	1
A49	AMMONIA GAS TANK	-	-	1
A50	OXYGEN GAS TANK	-	-	2

DEPARTMENT OF ECOLOGY LABORATORY FEASIBILITY STUDY
VOLATILE ORGANIC ANALYSIS (VOA) LAB

TAG	TITLE	BRAND	MODEL NUMBER	QUANITY
A1	FUME HOOD WITH EXHAUST	LABCONCO	100600040	1
A3	MILLI-Q INTEGRAL 10 WATER PURIFICATION SYSTEM	EMD MILLIPORE	ZRXQ010US	1
A5	MILLI-D WATER PURIFICATION SYSTEM FOR DEIONIZED WATER	EMD MILLIPORE	ZFCD00001	1
A7	BALANCE; ENTRIS ANALYTICAL, 120G	SARTORIUS	ENTRIS124-SUS	1
A8	INSTRUMENT SHIELD	CLEATECH		1
A22	GCMS PURGE AND TRAP / AUTO SAMPLER	AGILENT	7890B GC WITH ADD-ONS	1
A26	COMPUTER WORKSTATION	-	-	1
A38	UNDER FUME HOOD FLAMMABLE CABINET	USA SAFETY	CB883000DJR	1
A43	UNDERCOUNTER REFRIGERATOR- TSG SERIES	THERMO FISHER SCIENTIFIC	TSG505SA	1
A44	COUNTER MOUNTED LAB OVEN	QUINCY LAB INC.	40GCE	1
A48	HELIUM GAS TANK	-	-	1

DEPARTMENT OF ECOLOGY LABORATORY FEASIBILITY STUDY
INORGANIC DIGESTION LAB

TAG	TITLE	BRAND	MODEL NUMBER	QUANITY
A2	MICROWAVE WITH EXHAUST	CEM CORPORATION	MARS 6	2
A7	BALANCE; ENTRIS ANALYTICAL, 120G	SARTORIUS	ENTRIS124-SUS	1
A8	INSTRUMENT SHIELD	CLEATECH	-	1
A26	COMPUTER WORKSTATION	-	-	1
A41	FUME HOOD WITH EXHAUST	NUAIRE FUME GARD	NU-162	2
A54	DEIONIZED WATER PURIFICATION SYSTEM	LABSTAC	-	1

KMB architects
906 Columbia Street SW, Suite 400
Olympia, Washington 98501
360.352.8883

NOT FOR CONSTRUCTION

KMB Project # D1937

FEASIBILITY STUDY FOR LABORATORY SPACE DEVELOPMENT
DEPARTMENT OF ECOLOGY
300 DESMOND DR SE
LACEY, WS 98503

ORIGINAL SHEET SIZE = 24 x 36
HALF SIZE REDUCTIONS = 11 x 17

REVISIONS:

DATE
03-31-2022

FEASIBILITY STUDY

SHEET NO.
A-602

EQUIPMENT SCHEDULE & DETAIL - ALTERNATE #1

SAVE FILE P:\01 PROJECTS\KMA ECY\D1937 - DOE - Feasibility Study for Laboratory Space Development\1 - Drawings\0 - Current\Revit\D1937_DOE-Feasibility Study -Laboratory_OPTION_R22.rvt
PLOT DATE 4/8/2022 9:13:10 AM

KMB architects

Predesign Report: Environmental Assessment Program (EAP) Laboratory Development

Washington State Department of Ecology

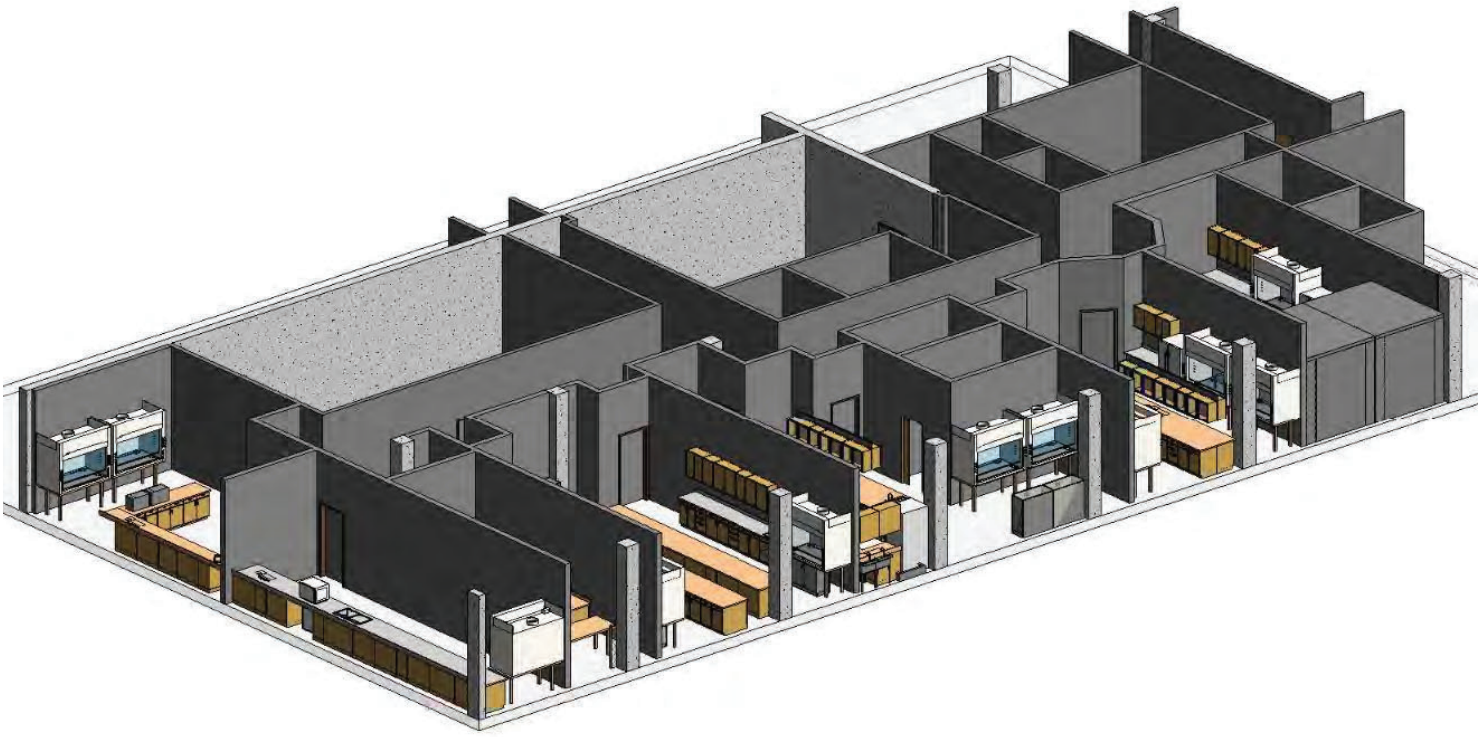
State Project No. 2024-189

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DEPARTMENT OF ECOLOGY

Feasibility Study for Eight Consumer Product Testing Laboratories

300 Desmond Dr SE
Lacey, Washington, 98503
March 31, 2022



906 Columbia Street SW, Suite 400
Olympia, Washington 98501
360.352.8883
www.KMB-architects.com

March 30, 2022

Department of Ecology
300 Desmond Dr. SE.
Lacey, WA 98503

Project: **Feasibility study for Eight Laboratories**
Department of Ecology Basement

The following report documents the feasibility of providing eight separate lab spaces in 4,934 square feet in the basement of the Department of Ecology main building in Lacey. This work expands the study that was started in 2019. KMB architects and consultants met with Department of Ecology and Department of Enterprise Services over the last two months. The spaces were downsized to meet the limited space available while still providing the functionality needed by laboratory staff to perform their work.

Laboratory Director, Alan Rue, provided the following background and justification for the new laboratory.

Background:
A feasibility study for a Product Testing lab in the basement was completed in 2019. We are developing a plan for a Product Testing lab in the basement with a capital budget request for the 23-25 Biennium. As part of this plan, we are doing a new feasibility study for adding inorganics capability to the existing organics plan. In addition to the inorganics, we also need to expand organics to include capability for other organics analytes (per the Decision Package) that were excluded in the existing organics plan (the 2019 study), which was a scaled down plan. The added organics analytes are more comprehensive for the CHCC (Chemicals of High Concern to Children) and PBT (Persistent, Bio accumulative, and Toxic chemicals) lists.

Justification:
Adding PCB capability to the existing organics plan is part of making the Product Testing organics capability comprehensive. Product Testing studies for PCBs in consumer products were conducted in 2017, 2018, and 2021. There is an ongoing need to continue to test various consumer products for PCBs because of the potential consumer exposure to this toxic class of chemicals, and to comply with state purchasing rules.

Having PCB capability in the Product Testing lab has the added benefit of being able to test environmental matrices (water, sediment, soil, fish tissue, and biofilm) for PCBs, which historically has been done at contract labs. There is an ongoing need and funding to continue to test environmental samples for PCBs in the wake of the Monsanto settlement, because of the environmental impact of this persistent, bio accumulative, and toxic class of chemicals. PCBs are a key class of compounds listed in the agency's Chemical Action Plan. Ecology's Manchester Lab services will be more comprehensive for serving our agency's needs for PCB data.

The proposed laboratories are:

- Sample Receiving
- PCB Extraction Laboratory
- Equipment Cleaning
- Organic Extractions Laboratory
- Organic Analysis Laboratory
- Inorganic Analysis Laboratory
- Volatile Organic Analysis (VOA)
- Inorganic Digestion Laboratory

Study drawings provided include:

- GI001 Cover sheet with a list of those involved and drawing index
- A-101 As-built floor plans
- AD101 Demolition floor plans
- A-111 Schematic design floor plans
- A-112 Schematic design floor plans- Alternate #1
- A-601 Equipment schedule
- A-602 Equipment schedule – Alternate #1
- A-621 Finish schedule and notes
- P-101 Plumbing Plan
- M-101 HVAC plan.

Study booklet information includes:

- Cover letter with extent of study
- Reference Floor Plans
- Mechanical Narrative
- Electrical Narrative
- Meeting notes
- Cost estimate escalated for 2024 construction
- Equipment cut sheets provided per lab.

Study Attendees include:

• Gabriel Baker	Department of Enterprise Services	Project Manager
• Jamali Majid	Department of Enterprise Services	Project Manager
• Alan Rue	Washington Department of Ecology	Laboratory Director
• Steve Adams	Washington Department of Ecology	Facilities Manager
• Fran Huntington	Washington Department of Ecology	Regional Facilities Operations Manager
• Heidi Chuhran	Washington Department of Ecology	Inorganics Laboratory Supervisor
• Joan Protasio	Washington Department of Ecology	Organics Laboratory Supervisor
• Brian White	HultzBHU Engineers	Mechanical Engineer
• Amanda Waszgis	Hargis Engineers	Electrical Engineer
• Craig McClelland	KMB architects	Architect, Partner
• Jason Barry	KMB architects	Project Manager
• Terina Owen	KMB architects	Project Architect

The estimated cost for construction based on the proposed design and equipment with a construction midpoint of January 2025 is **$13,285,529.**
The estimated cost for construction based on the proposed design and equipment for the construction midpoint of January 2025 for Alternate #1 – Provide storage room in lieu of PCB Extraction Lab is **$12,221,662.**

Thank you engaging KMB architects for design work and estimating. We look forward to be asked to provided full construction document services during the 2023-2025 biennium.

Sincerely,
KMB architects



Craig McClelland, AIA, LEED AP
Partner

MECHANICAL SYSTEMS

HVAC

Heating, cooling and ventilation for the spaces will be handled by new packaged energy recovery ventilation (ERV) units with air conditioning and gas heating. Separate units from the existing system are required due to heat loads from the muffle oven, gas chromameters, and related items with heat loads.

The spaces will be maintained at typical temperatures and humidity for normal human occupancy comfort in accordance with recognized standards (i.e. 68 deg. F to 75 deg. F, relative humidity within the 30% to 60% range). No dehumidification or humidification equipment is planned; these can be added if the lab equipment requires special environmental conditions.

The exhaust for fume hoods, exhaust for the muffle oven, and exhaust for miscellaneous other items would be provided by the new energy recovery units. The new fume hood ductwork shall be of stainless steel construction.

Make up air will be ducted from the ERV's to variable air volume (VAV) boxes serving each lab. These will vary the airflow to each space to maintain proper space pressurization.

The HVAC system would be air balanced to provide negative air pressure in the lab areas, and positive air pressure in the adjacent corridors.

PLUMBING

Domestic water can be provided from existing water routed nearby in the ceiling space. Sewer service would need to be provided by saw cutting the floor and routing to an acid neutralization tank with monitoring. Pull Down type eye washes will be located adjacent to the double compartment sinks. Deionized (DI) water would be provided using a manufactured filtration system. Type II DI water would serve the dishwasher, and Type I DI water would be provided at a point of use dispenser.

Combination emergency shower/eyewash will be located in the corridor outside of the labs.

A vacuum pump will be provided, with vacuum piped to the fume hoods and other laboratory equipment requiring vacuum. The vacuum pump is planned to be located in the cylinder storage room. The unit would be controlled by a time clock to be off when vacuum is not required (i.e. off normal lab hours).

Compressed air will be provided to the fume hoods and other locations as required. The air will be provided from a new air compressor and dryer replacing the existing equipment. General filtration

followed by a high quality coalescing type (water and oil removal) filter will be used to provide high quality clean air.

Nitrogen, helium, hydrogen, argon, methane, ammonia, and oxygen gases will be piped to the fume hoods and items requiring these gases from master cylinders located in the cylinder storage room. Instrument grade tubing would be used. The Cyromill has an adjacent liquid nitrogen cylinder.

FIRE SPRINKLER

The existing building fire sprinkler system will be modified to serve the remodeled area. The system is a wet pipe type, using water as the extinguishing agent. No special fire suppression system is planned.

CONTROLS

A low oxygen alarm will be provided to alert occupants in case of low oxygen levels (due to a liquid nitrogen leak). The alarm will an audible/visual type in the room and be connected to the building energy management and control system (EMCS) to alarm remotely.

New HVAC system controls, compatible with the existing building EMCS, will be provided to control temperatures in the area. No humidification sensors or controls are planned.

Laboratory Space Development
Department of Ecology
Lacey, WA

Feasibility Study Estimate
April 7, 2022

Prepared For:

KMB
906 Columbia Street SW
Suite 400
Olympia, WA 98501

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520 Kirkland Way, Suite 301
Kirkland, WA 98033
Phone: 425-828-0500
Fax: 425-828-0700
www.prodims.com

Estimate Summary

Laboratory Space Development

Department of Ecology
Lacey, WA

Feasibility Study Estimate

April 7, 2022

PRODIMS
520 Kirkland Way, Suite 301
Kirkland, WA 98033
tel: (425) 828-0500
fax: (425) 828-0700
www.prodims.com

Estimate Summary

				Total Direct Cost	**$**	**7,443,212**
Design Contingency		15.0%	$ 1,116,482	*Subtotal*	$	8,559,693
General Conditions		18.0%	$ 1,540,745	*Subtotal*	$	10,100,438
Home Office Overhead		5.0%	$ 505,022	*Subtotal*	$	10,605,460
Profit		6.0%	$ 636,328	*Subtotal*	$	11,241,788
Escalation to midpoint of construction -	January, 2025	18.18%	$ 2,043,742	*Subtotal*	$	13,285,529
TOTAL ESTIMATED CONSTRUCTION COST - January, 2025				→	**$**	**13,285,529**

Bid Alternates

		Total Deduct from Base Bid	
Alternate #1 - Provide Storage Room in lieu of PCB Extraction Lab	**Deduct**	**$**	**(1,063,867)**
TOTAL ESTIMATED CONSTRUCTION COST w/ Bid Alternates	→	**$**	**12,221,662**

Estimate Assumptions:

This estimate is based on the Feasibility Study Drawings dated March 31, 2022.
The escalation rate used is 6% per year. Costs are escalated to the mid-point of construction of January, 2025
An escalation rate above 6% per year is not included in the estimate. This is important if general inflation exceeds this rate.
The estimate should be recalculated if escalation rates increase and/or if this estimate is older than six months.
All soft costs are the owner's responsibility to determine and verify. The Soft Costs estimate has been excluded from the construction cost estimate.
Hazardous Material Abatement IS NOT Included.

Estimate Qualifications:

Summary sheet markups are cumulative, not additive. Percentages are added to the previous subtotal rather than the direct cost subtotal.
Estimated labor is based on an 8 hour per day shift 5 days a week first shift. Accelerated schedule work of overtime has not been included.
Estimate is based on a competitive public bid with at least 3 bona fide submitted and unrescinded general contractor bids.
If only 1 or 2 bids are received the bids could be 40% to 100% more than the cost estimate is based on empirical experience.
Estimate is based on a competitive public bid with a minimum 4 week bidding schedule and no significant addendums within 2 weeks of bid opening.
Estimated construction cost is for the entire project. This estimate is not intended to be used for other projects.
Division 0/ Division 1 specifications are presumed to have normal ranges for liquidated damages, construction schedule and terms & conditions.
These divisions are typically written after the final estimate. Please contact the cost estimator for a review, if desired.
Please consult the cost estimator for any modifications to this estimate. Unilaterally adding and deleting markups, scope of work, schedule, specifications, plans and bid forms could incorrectly restate the project construction cost.
The construction cost estimate does not include an estimate of owner soft costs such as A/E fees, owner contingencies and permit fees.
Construction reserve contingency for change orders is not included in the estimate.
Any modifications to the plans via addendums and code review for permits will cause cost increases and are not included in this estimate.
Sole source supply of materials and/ or installers typically results in a 40% to 100% premium on costs over open specifications.
Imposition of tariffs and market instability of resources such as fuel, insurance and labor occurring after estimate date are not included.
Contractors imposing different bidding conditions from plans and specifications on subcontractors are not bidding from the plans and specifications.
Modifications to the proposed construction schedule and modifying the phasing plans after this estimate will affect construction cost and are not included.
The estimate includes a reasonable construction escalation that can be determined based on market conditions for up to the next 6 months.
Since this project has a midpoint of construction further than 6 months, increases in escalation are not included beyond the rate shown in the estimate.

Name: **Laboratory Space Development**
Second name: **Department of Ecology**
Location: **Lacey, WA**
Design phase: Feasibility Study Estimate
Estimate date: April 7, 2022

PRODIMS
520 Kirkland Way, Suite 301
Kirkland, WA 98033
Phone: 425-828-0500
Fax: 425-828-0700
www.prodims.com

Areas

1st floor	5,110	*sqft*
Total	**5,110**	***GSFT***

WBS / Description	QTY	Unit	Labor $/ Unit	Labor Total	Material $/ Unit	Material Total	Equip. $/ Unit	Equip. Total	Total Unit $	Direct Cost Extended	Direct $/sqft
A - Substructure											
A10 - Foundations											
A1030 - Slab on Grade											
Cut-out & replace concrete floor slab for new plumbing runs to new fixtures, remove debris from building, load/ haul & dispose, remove & fill-in electrical trenches	511.00	sqft	$ 24.00	$ 12,264.00	$ 19.20	$ 9,811.20	$ 4.80	$ 2,452.80	$ 48.00	$ 24,528.00	
A1030 - Slab on Grade Totals				**$ 12,264**		**$ 9,811**		**$ 2,453**		**$ 24,528**	***$ 4.80***
B - Shell											
B10 - Superstructure											
B1020 - Roof											
Structural cutting, structural upgrades to openings and patching as required for new mechanical units located on the roof structure	5,110.00	sqft	$ 9.45	$ 48,289.50	$ 4.80	$ 24,528.00	$ 0.75	$ 3,832.50	$ 15.00	$ 76,650.00	
B1020 - Roof Totals				**$ 48,290**		**$ 24,528**		**$ 3,833**		**$ 76,650**	***$ 15.00***
B20 - Exterior Closure											
B2010 - Exterior Walls											
Perimeter wall furring, painted water barrier, metal stud, 3-5/8", 16 ga, 16" oc., R10 rigid insulation, R13 batt insulation, vapor barrier, GWB (1) side, taped and finished - area based on wall area	2,292.00	sqft	$ 5.52	$ 12,651.84	$ 6.24	$ 14,302.08	$ 0.24	$ 550.08	$ 12.00	$ 27,504.00	
B2010 - Exterior Walls Totals				**$ 12,652**		**$ 14,302**		**$ 550**		**$ 27,504**	***$ 5.38***
B30 - Roofing											
B3010 - Roof Coverings											
Patch & repair roofing, new flashings, as required for new equipment penetrations	5,110.00	sqft	$ 1.68	$ 8,584.80	$ 1.20	$ 6,132.00	$ 0.12	$ 613.20	$ 3.00	$ 15,330.00	
B3010 - Roof Coverings Totals				**$ 8,585**		**$ 6,132**		**$ 613**		**$ 15,330**	***$ 3.00***
C - Interiors											
C10 - Interior Construction											
C1010 - Interior Partitions											
New interior partition systems - metal studs, GWB, sound attenuation batts, duct shaft & enclosures and relites - area based on wall area	4,320.00	sqft	$ 2.87	$ 12,398.40	$ 7.18	$ 30,996.00	$ 0.21	$ 885.60	$ 10.25	$ 44,280.00	
C1010 - Interior Partitions Totals				**$ 12,398**		**$ 30,996**		**$ 886**		**$ 44,280**	***$ 8.67***

WBS	Description	QTY	Unit	Labor $/ Unit	Labor Total	Material $/ Unit	Material Total	Equip. $/ Unit	Equip. Total	Total Unit $	Direct Cost Extended	Direct $/sqft
C1020 - Interior Doors												
	Interior door/ frame, hardware, vision lights, some fire-rated doors, finished	12.00	lvs	$ 1,608.20	$ 19,298.40	$ 1,973.70	$ 23,684.40	$ 73.10	$ 877.20	$ 3,655.00	$ 43,860.00	
	C1020 - Interior Doors Totals				**$ 19,298**		**$ 23,684**		**$ 877**		**$ 43,860**	***$ 8.58***
C1030 - Interior Specialties												
	Misc. interior specialties, room signage, fire extinguisher cabinets, marker & tack boards	5,110.00	sqft	$ 0.48	$ 2,452.80	$ 0.50	$ 2,555.00	$ 0.02	$ 102.20	$ 1.00	$ 5,110.00	
	C1030 - Interior Specialties Totals				**$ 2,453**		**$ 2,555**		**$ 102**		**$ 5,110**	***$ 1.00***
C30 - Interior Finishes												
C3010 - Interior Wall Finishes												
	Interior painting, GWB, some fiberglass reinforced wall panel	8,200.00	sqft	$ 1.77	$ 14,514.00	$ 1.20	$ 9,840.00	$ 0.03	$ 246.00	$ 3.00	$ 24,600.00	
	C3010 - Interior Wall Finishes Totals				**$ 14,514**		**$ 9,840**		**$ 246**		**$ 24,600**	***$ 4.81***
C3020 - Interior Floor Finishes												
	Sheet vinyl flooring, vinyl base, clean & prepare existing slab for finish, laboratory	5,110.00	sqft	$ 4.95	$ 25,294.50	$ 5.94	$ 30,353.40	$ 0.11	$ 562.10	$ 11.00	$ 56,210.00	
	C3020 - Interior Floor Finishes Totals				**$ 25,295**		**$ 30,353**		**$ 562**		**$ 56,210**	***$ 11.00***
C3030 - Interior Ceiling Finishes												
	Suspended ACT ceiling, 2x 2 grid, some suspended GWB ceiling systems	5,110.00	sqft	$ 3.02	$ 15,452.64	$ 4.10	$ 20,971.44	$ 0.07	$ 367.92	$ 7.20	$ 36,792.00	
	C3030 - Interior Ceiling Finishes Totals				**$ 15,453**		**$ 20,971**		**$ 368**		**$ 36,792**	***$ 7.20***
D - Services												
D20 - Plumbing Systems - *Estimate by others see backup*												
D2010 - Plumbing Fixtures												
	General Mechanical	5,110.00	sqft	$ 7.03	$ 35,919.58	$ 4.69	$ 23,946.38	$ -	$ -	$ 11.72	$ 59,865.96	
	Demolition	5,110.00	sqft	$ 6.07	$ 30,996.61	$ 0.32	$ 1,631.40	$ -	$ -	$ 6.39	$ 32,628.01	
	Plumbing Fixtures	5,110.00	sqft	$ 7.10	$ 36,264.92	$ 7.69	$ 39,287.00	$ -	$ -	$ 14.79	$ 75,551.92	
	D2010 - Plumbing Fixtures Totals				**$ 103,181**		**$ 64,865**		**$ -**		**$ 168,046**	***$ 32.89***
D2020 - Domestic Water Distribution												
	Plumbing Piping System	5,110.00	sqft	$ 5.35	$ 27,356.26	$ 5.80	$ 29,635.95	$ -	$ -	$ 11.15	$ 56,992.21	
	Piping Accessories	5,110.00	sqft	$ 0.22	$ 1,118.85	$ 0.33	$ 1,678.28	$ -	$ -	$ 0.55	$ 2,797.13	
	Mechanical Insulation	5,110.00	sqft	$ 3.61	$ 18,438.44	$ 0.90	$ 4,609.61	$ -	$ -	$ 4.51	$ 23,048.06	
	D2020 - Domestic Water Distribution Totals				**$ 46,914**		**$ 35,924**		**$ -**		**$ 82,837**	***$ 16.21***
D2050 - Special Plumbing Systems												
	Special Piping Systems	5,110.00	sqft	$ 12.20	$ 62,363.12	$ 19.91	$ 101,750.35	$ -	$ -	$ 32.12	$ 164,113.47	
	D2050 - Special Plumbing Systems Totals				**$ 62,363**		**$ 101,750**		**$ -**		**$ 164,113**	***$ 32.12***
D30 - HVAC Systems - *Estimate by others see backup*												
D3010 - Fuel Supply System												
	Natural Gas Piping System	5,110.00	sqft	$ 5.77	$ 29,487.70	$ 3.85	$ 19,658.46	$ -	$ -	$ 9.62	$ 49,146.16	
	D3010 - Fuel Supply System Totals				**$ 29,488**		**$ 19,658**		**$ -**		**$ 49,146**	***$ 9.62***

WBS	Description	QTY	Unit	Labor $/ Unit	Labor Total	Material $/ Unit	Material Total	Equip. $/ Unit	Equip. Total	Total Unit $	Direct Cost Extended	Direct $/sqft
D3020 - HVAC System												
	Air Handling & HVAC Units	5,110.00	sqft	$ 4.77	$ 24,393.60	$ 114.57	$ 585,446.40	$ -	$ -	$ 119.34	$ 609,840.00	
	Air Terminal Units	5,110.00	sqft	$ 32.84	$ 167,829.10	$ 9.81	$ 50,130.77	$ -	$ -	$ 42.65	$ 217,959.87	
	SA/ RA/ OA/ Relief Duct Systems	5,110.00	sqft	$ 24.88	$ 127,143.25	$ 4.74	$ 24,217.76	$ -	$ -	$ 29.62	$ 151,361.02	
	Exhaust Systems	5,110.00	sqft	$ 6.73	$ 34,415.74	$ 3.03	$ 15,462.14	$ -	$ -	$ 9.76	$ 49,877.88	
	Duct Accessories	5,110.00	sqft	$ 0.47	$ 2,415.16	$ 0.34	$ 1,748.91	$ -	$ -	$ 0.81	$ 4,164.07	
	D3020 - HVAC System Totals				**$ 356,197**		**$ 677,006**		**$ -**		**$ 1,033,203**	***$ 202.19***
D3060 - HVAC Controls & Instrumentation												
	Controls	5,110.00	sqft	$ 4.71	$ 24,049.35	$ 38.08	$ 194,581.08	$ -	$ -	$ 42.78	$ 218,630.42	
	D3060 - HVAC Controls & Instrumentation Totals				**$ 24,049**		**$ 194,581**		**$ -**		**$ 218,630**	***$ 42.78***
D3070 - Special HVAC Systems												
	Special Exhaust Systems	5,110.00	sqft	$ 7.05	$ 36,024.93	$ 14.31	$ 73,141.52	$ -	$ -	$ 21.36	$ 109,166.44	
	D3070 - Special HVAC Systems Totals				**$ 36,025**		**$ 73,142**		**$ -**		**$ 109,166**	***$ 21.36***
D3080 - HVAC Test & Balance												
	Balancing	5,110.00	sqft	$ 3.41	$ 17,424.97	$ -	$ -	$ -	$ -	$ 3.41	$ 17,424.97	
	Commissioning	5,110.00	sqft	$ 1.18	$ 6,050.00	$ -	$ -	$ -	$ -	$ 1.18	$ 6,050.00	
	Air Quality Assurance	5,110.00	sqft	$ 0.47	$ 2,420.00	$ -	$ -	$ -	$ -	$ 0.47	$ 2,420.00	
	D3080 - HVAC Test & Balance Totals				**$ 25,895**		**$ -**		**$ -**		**$ 25,895**	***$ 5.07***
D40 - Fire Protection Systems - *Estimate by others see backup*												
D4010 - Fire Protection Sprinkler Systems												
	Fire Suppression	5,110.00	sqft	$ 3.75	$ 19,141.37	$ 4.22	$ 21,584.95	$ -	$ -	$ 7.97	$ 40,726.31	
	D4010 - Fire Protection Sprinkler Systems Totals				**$ 19,141**		**$ 21,585**		**$ -**		**$ 40,726**	***$ 7.97***
D50 - Electrical Systems - *Estimate by others see backup*												
D5010 - Electrical Service & Distribution												
	General Electrical Provisions (Submittals, Mobilization, Permits)	1.00	lpsm	$ 11,999.64	$ 11,999.64	$ 18,946.80	$ 18,946.80	$ 631.56	$ 631.56	$ 31,578.00	$ 31,578.00	
	Electrical Selective Demolition	3,664.00	sqft	$ 2.69	$ 9,859.82	$ 0.69	$ 2,528.16	$ 0.07	$ 252.82	$ 3.45	$ 12,640.80	
	Electrical Floorduct Rework/ Recircuit/ Recable	1.00	lpsm	$ 38,000.00	$ 38,000.00	$ 60,000.00	$ 60,000.00	$ 2,000.00	$ 2,000.00	$ 100,000.00	$ 100,000.00	
	Main Bldg Power Distribution Rework	1.00	lpsm	$ 58,635.52	$ 58,635.52	$ 92,582.40	$ 92,582.40	$ 3,086.08	$ 3,086.08	$ 154,304.00	$ 154,304.00	
	Power Distribution	1.00	lpsm	$ 66,581.70	$ 66,581.70	$ 105,129.00	$ 105,129.00	$ 3,504.30	$ 3,504.30	$ 175,215.00	$ 175,215.00	
	D5010 - Electrical Service & Distribution Totals				**$ 185,077**		**$ 279,186**		**$ 9,475**		**$ 473,738**	***$ 92.71***
D5020 - Lighting and Branch Wiring												
	Mechanical Power	1.00	lpsm	$ 16,189.36	$ 16,189.36	$ 19,868.76	$ 19,868.76	$ 735.88	$ 735.88	$ 36,794.00	$ 36,794.00	
	Branch Power	3,664.00	sqft	$ 17.28	$ 63,313.92	$ 29.76	$ 109,040.64	$ 0.96	$ 3,517.44	$ 48.00	$ 175,872.00	
	Lighting and Controls	4,672.00	sqft	$ 9.08	$ 42,431.10	$ 14.34	$ 66,996.48	$ 0.48	$ 2,233.22	$ 23.90	$ 111,660.80	
	D5020 - Lighting and Branch Wiring Totals				**$ 121,934**		**$ 195,906**		**$ 6,487**		**$ 324,327**	***$ 63.47***
D5030 - Low Voltage Systems												
	Telecommunications	3,664.00	sqft	$ 3.80	$ 13,923.20	$ 6.00	$ 21,984.00	$ 0.20	$ 732.80	$ 10.00	$ 36,640.00	
	Access Control	1.00	lpsm	$ 26,220.00	$ 26,220.00	$ 41,400.00	$ 41,400.00	$ 1,380.00	$ 1,380.00	$ 69,000.00	$ 69,000.00	
	Fire Alarm	4,672.00	sqft	$ 3.00	$ 14,025.34	$ 4.74	$ 22,145.28	$ 0.16	$ 738.18	$ 7.90	$ 36,908.80	
	D5030 - Low Voltage Systems Totals				**$ 54,169**		**$ 85,529**		**$ 2,851**		**$ 142,549**	***$ 27.90***

WBS	Description	QTY	Unit	Labor $/ Unit	Labor Total	Material $/ Unit	Material Total	Equip. $/ Unit	Equip. Total	Total Unit $	Direct Cost Extended	Direct $/sqft
E - Equipment and Furnishings												
E10 - Equipment												
E1020 - Institutional Equipment												
	Laboratory equipment	1.00	lpsm	$ -	$ -	$ 3,861,286.11	$ 3,861,286.11	$ -	$ -	$ 3,861,286.11	$ 3,861,286.11	
	Laboratory equipment installation	1.00	lpsm	$ 188,430.76	$ 188,430.76	$ -	$ -	$ 4,633.54	$ 4,633.54	$ 193,064.31	$ 193,064.31	
	E1020 - Institutional Equipment Totals				**$ 188,431**		**$ 3,861,286**		**$ 4,634**		**$ 4,054,350**	***$ 793.41***
E20 - Furnishings												
E2010 - Fixed Furnishings												
	Laboratory base cabinet, door & drawer	260.00	lnft	$ 117.00	$ 30,420.00	$ 195.00	$ 50,700.00	$ 13.00	$ 3,380.00	$ 325.00	$ 84,500.00	
	Laboratory counter top, phenolic	290.00	lnft	$ 48.60	$ 14,094.00	$ 81.00	$ 23,490.00	$ 5.40	$ 1,566.00	$ 135.00	$ 39,150.00	
	Laboratory upper cabinet, sliding glass door	90.00	lnft	$ 66.60	$ 5,994.00	$ 111.00	$ 9,990.00	$ 7.40	$ 666.00	$ 185.00	$ 16,650.00	
	E2010 - Fixed Furnishings Totals				**$ 50,508**		**$ 84,180**		**$ 5,612**		**$ 140,300**	***$ 27.46***
F - Other Building Construction												
F2010 - Building Elements Demolition												
	Demolition, interior gut, walls, doors, finishes, mechanical & electrical, remove debris from building, dispose	5,110.00	sqft	$ 10.80	$ 55,188.00	$ -	$ -	$ 1.20	$ 6,132.00	$ 12.00	$ 61,320.00	
	F2010 - Building Elements Demolition Totals				**$ 55,188**		**$ - **		**$ 6,132**		**$ 61,320**	***$ 12.00***
					Labor		***Material***		***Equipment***		***Total Direct Cost***	***Total Direct $/ sqft***
	Total Direct Costs				**$ 1,529,760**		**$ 5,867,772**		**$ 45,679**		**$ 7,443,212**	***$ 1,457***

Backup

COST ESTIMATE - MECHANICAL

CLIENT Department of Ecology KMB Architects	**Hultz/BHU Engineers Inc.** *(253) 383-3257*		SHEET 1	OF 1
PROJECT TITLE New Laboratory	ESTIMATED BY BW	CHECKED BY	SF 5110	DATE 3/31/22
	STATUS OF DESIGN Pre Design			JOB NO. 22-028

DESCRIPTION	MATERIAL COST		LABOR COST		TOTAL COST		REMARKS
	BARE	W/ OH 10.0%	BARE	W/ OH 52.0%	TOTAL	$/SF	
MECHANICAL							
SUMMARY							
General Mechanical	$18,360.00	$20,196.00	$19,263.16	$29,280.00	$49,476.00	$9.68	
Demolition	$823.08	$905.39	$17,144.68	$26,059.91	$26,965.30	$5.28	
Mechanical Insulation	$3,313.00	$3,644.30	$10,134.00	$15,403.68	$19,047.98	$3.73	
Plumbing Piping System	$22,355.58	$24,591.13	$14,809.13	$22,509.87	$47,101.00	$9.22	HW/CW
Piping Accessories	$1,260.00	$1,386.00	$609.00	$925.68	$2,311.68	$0.45	
Special Piping Systems	$76,151.00	$83,766.10	$34,121.63	$51,864.87	$135,630.97	$26.54	Acid W/V, Air Vac Lab Gas
Natural Gas Piping System	$14,640.00	$16,104.00	$16,126.75	$24,512.66	$40,616.66	$7.95	
Plumbing Fixtures	$30,321.98	$33,354.17	$19,135.15	$29,085.43	$62,439.60	$12.22	
Fire Suppression	$16,607.50	$18,268.25	$10,124.91	$15,389.86	$33,658.11	$6.59	
Air Handling & HVAC Units	$440,000.00	$484,000.00	$13,157.89	$20,000.00	$504,000.00	$98.63	
Air Terminal Units	$37,450.00	$41,195.00	$91,406.00	$138,937.12	$180,132.12	$35.25	
SA/RA/OA/Relief Duct Systems	$17,923.69	$19,716.06	$69,326.11	$105,375.69	$125,091.75	$24.48	
Exhaust Systems	$11,733.34	$12,906.67	$18,628.10	$28,314.71	$41,221.39	$8.07	
Special Exhaust Systems	$55,342.00	$60,876.20	$19,305.26	$29,344.00	$90,220.20	$17.66	
Duct Accessories	$1,358.50	$1,494.35	$1,280.94	$1,947.03	$3,441.38	$0.67	
Controls	$146,583.50	$161,241.85	$12,792.40	$19,444.45	$180,686.30	$35.36	
Balancing			$9,474.21	$14,400.80	$14,400.80	$2.82	
Commissioning			$3,289.47	$5,000.00	$5,000.00	$0.98	
Air Quality Assurance			$1,315.79	$2,000.00	$2,000.00	$0.39	
SUB-TOTAL 1	$894,223.16	$983,645.47	$381,444.59	$579,795.77	**$1,563,441.25**	**$305.96**	
Design Contingency 15%					$234,516.19		
Subcontractror Profit 10%					$179,795.74		
Other							
SUB TOTAL 2					**$1,977,753.17**	**$387.04**	
General Conditions 10%					$197,775.32		
TOTAL					**$2,175,528.49**	**$425.74**	**$/SF**

electrical **cost opinion**

HARGIS
1201 third avenue, ste 600
seattle, washington 98101
206.448.3376

www.hargis.biz

FEASIBILITY STUDY FOR LABORATORY SPACE DEVELOPMENT
State of Washington Department of Ecology

BASIS OF OPINION	Pre-Design	**PREPARED BY**	Amanda Waszgis, PE	**DATE**	March 31, 2022
JOB NUMBER	22029	**CHECKED BY**	Erik Stearns, PE	**OVERHEAD & PROFIT**	15%

electrical summary	quantity			engineering opinion
Remodel Electrical	**Number**	**Unit**	Unit Cost	**Total**
General Electrical Provisions (Submittals, Mobilization, Permits)	1	ls		31,578
Electrical Selective Demolition (Division 26)	3,664	sf	$ 3.45	12,641
Electrical Floorduct Rework/Recircuit/Recable (Division 26/27)	1	ls		100,000
Main Bldg Power Distribution Rework (Division 26)				154,304
Power Distribution (Division 26)				175,215
Mechanical Power (Division 26)				36,794
Branch Power (Division 26)	3,664	sf	$ 48.00	175,872
Lighting and Controls (Division 26)	4,672	sf	$ 23.90	111,661
Telecommunications (Division 27)	3,664	sf	$ 10.00	36,640
Access Control (Division 28)	1	ls		69,000
Fire Alarm (Division 28)	4,672	sf	$ 7.90	36,909
	Subtotal - Remodel Electrical			**$940,615**
TOTAL ELECTRICAL				**$940,615**

EXCLUSIONS

1 - Design contingency
2 - Sales tax
3 - Escalation
4 - Project soft costs
5 - General Contractor Overhead & Profit
6 - Phased construction

electrical **cost opinion**

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FEASIBILITY STUDY FOR LABORATORY SPACE DEVELOPMENT
State of Washington Department of Ecology

BASIS OF OPINION Pre-Design **PREPARED BY** Amanda Waszgis, PE **DATE** March 31, 2022

JOB NUMBER 22029 **CHECKED BY** Erik Stearns, PE **OVERHEAD & PROFIT** 15%

description	quantity		material cost		labor cost		engineering opinion		
	number	unit	unit cost	total	unit cost	total	subtotal	OH&P	total
DIVISION 26									
POWER DISTRIBUTION: MAIN BUILDING REWORK									
800A FEEDER	25	LF	178.45	4,461	76.98	1,925	6,386	957.87	7,344
Switchboard MS2 Rework									
Rework vertical section; new 800A CB	1	EA	40,000.00	40,000	60,000.00	60,000	100,000	15,000.00	115,000
Distribution Panelboards 65KAIC									
800A MLO including branch breakers	1.00	EA	14,192.00	14,192	3,600.00	3,600	17,792	2,668.80	20,461
Fault Calc and Protective Coordination Study - Small	1	LS			10,000.00	10,000	10,000	1,500.00	11,500
Subtotal Power Distribution: main building rework (Division 26)							134,178	20,126.67	154,304

electrical **cost opinion**

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FEASIBILITY STUDY FOR LABORATORY SPACE DEVELOPMENT
State of Washington Department of Ecology

BASIS OF OPINION Pre-Design **PREPARED BY** Amanda Waszgis, PE **DATE** March 31, 2022

JOB NUMBER 22029 **CHECKED BY** Erik Stearns, PE **OVERHEAD & PROFIT** 15%

description	quantity		material cost		labor cost		engineering opinion		
	number	unit	unit cost	total	unit cost	total	subtotal	OH&P	total
POWER DISTRIBUTION									
60A FEEDER - To emergency panel xfmr	200	LF	11.70	2,340	8.02	1,604	3,944	591.59	4,536
100A FEEDER - To emergency panel	10	LF	17.00	170	9.51	95	265	39.77	305
150A FEEDERS - To lab panels	475	LF	24.80	11,780	12.94	6,147	17,927	2,688.98	20,615
175A FEEDER - To lab dist. Panel xfmr	400	LF	23.50	9,399	11.96	4,784	14,183	2,127.42	16,310
400A FEEDER - To lab dist. Panel	10	LF	64.36	644	29.92	299	943	141.42	1,084
400A FEEDER - To HVAC panel	400	LF	77.65	31,059	34.60	13,840	44,899	6,734.86	51,634
Transformers	3,664	SF							
30kVA	1	EA	1,600.00	1,600	1,025.00	1,025	2,625	393.75	3,019
112 1/2 kVA	1	EA	4,225.00	4,225	1,300.00	1,300	5,525	828.75	6,354
Vibration Isolation and Seismic Control	1	LS	350.00	350	720.00	720	1,070	160.50	1,231
Panelboards									
Distribution Panelboards 65KAIC									
400A MCB including branch breakers	1.00	EA	7,065.00	7,065	1,725.00	1,725	8,790	1,318.50	10,109
Branch Panelboards 10KAIC									
100A MCB including 42 branch breakers - Emergency	1.00	EA	2,166.00	2,166	1,300.00	1,300	3,466	519.90	3,986
200A MCB including 42 branch breakers - Lab panels	6.00	EA	4,100.00	24,600	1,450.00	8,700	33,300	4,995.00	38,295
400A MCB including 42 branch breakers - HVAC	1.00	EA	5,300.00	5,300	1,675.00	1,675	6,975	1,046.25	8,021
Surge Protection - Branch Panels	2	EA	1,000.00	2,000	225.00	450	2,450	367.50	2,818
Fault Calc and Protective Coordination Study - Small	1	LS			6,000.00	6,000	6,000	900.00	6,900
Subtotal Power Distribution (Division 26)							152,361	22,854.19	175,215

electrical **cost opinion**

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FEASIBILITY STUDY FOR LABORATORY SPACE DEVELOPMENT
State of Washington Department of Ecology

BASIS OF OPINION Pre-Design **PREPARED BY** Amanda Waszgis, PE **DATE** March 31, 2022

JOB NUMBER 22029 **CHECKED BY** Erik Stearns, PE **OVERHEAD & PROFIT** 15%

description	quantity		material cost		labor cost		engineering opinion		
	number	unit	unit cost	total	unit cost	total	subtotal	OH&P	total
MECHANICAL POWER									
Exhaust fan - 10hp (garage roof)	1	EA	1,991.25	1,991	1,820.50	1,821	3,812	571.76	4,384
2 packaged units - 80A (garage roof)	2	EA	3,500.00	7,000	2,255.25	4,511	11,511	1,726.58	13,237
Duct Heaters - 5kW	7	EA	793.00	5,551	1,059.50	7,417	12,968	1,945.13	14,913
Vacuum Pump - 2hp	1	EA	793.00	793	1,059.50	1,060	1,853	277.88	2,130
Acid Monitoring Station	1	EA	793.00	793	1,059.50	1,060	1,853	277.88	2,130
Subtotal Mechanical Power (Division 26)							31,995	4,799	36,794

COST ESTIMATE - MECHANICAL

CLIENT Department of Ecology KMB Architects	**Hultz/BHU Engineers Inc.** *(253) 383-3257*		SHEET 1	OF 1
PROJECT TITLE New Laboratory	ESTIMATED BY BW	CHECKED BY	SF 5110	DATE 3/31/22
	STATUS OF DESIGN Pre Design			JOB NO. 22-028

DESCRIPTION	MATERIAL COST		LABOR COST		TOTAL COST		REMARKS
	BARE	W/ OH 10.0%	BARE	W/ OH 52.0%	TOTAL	$/SF	
MECHANICAL							
SUMMARY							
General Mechanical	$18,360.00	$20,196.00	$19,263.16	$29,280.00	$49,476.00	$9.68	
Demolition	$823.08	$905.39	$17,144.68	$26,059.91	$26,965.30	$5.28	
Mechanical Insulation	$3,313.00	$3,644.30	$10,134.00	$15,403.68	$19,047.98	$3.73	
Plumbing Piping System	$22,355.58	$24,591.13	$14,809.13	$22,509.87	$47,101.00	$9.22	HW/CW
Piping Accessories	$1,260.00	$1,386.00	$609.00	$925.68	$2,311.68	$0.45	
Special Piping Systems	$76,151.00	$83,766.10	$34,121.63	$51,864.87	$135,630.97	$26.54	Acid W/V, Air Vac Lab Gas
Natural Gas Piping System	$14,640.00	$16,104.00	$16,126.75	$24,512.66	$40,616.66	$7.95	
Plumbing Fixtures	$30,321.98	$33,354.17	$19,135.15	$29,085.43	$62,439.60	$12.22	
Fire Suppression	$16,607.50	$18,268.25	$10,124.91	$15,389.86	$33,658.11	$6.59	
Air Handling & HVAC Units	$440,000.00	$484,000.00	$13,157.89	$20,000.00	$504,000.00	$98.63	
Air Terminal Units	$37,450.00	$41,195.00	$91,406.00	$138,937.12	$180,132.12	$35.25	
SA/RA/OA/Relief Duct Systems	$17,923.69	$19,716.06	$69,326.11	$105,375.69	$125,091.75	$24.48	
Exhaust Systems	$11,733.34	$12,906.67	$18,628.10	$28,314.71	$41,221.39	$8.07	
Special Exhaust Systems	$55,342.00	$60,876.20	$19,305.26	$29,344.00	$90,220.20	$17.66	
Duct Accessories	$1,358.50	$1,494.35	$1,280.94	$1,947.03	$3,441.38	$0.67	
Controls	$146,583.50	$161,241.85	$12,792.40	$19,444.45	$180,686.30	$35.36	
Balancing			$9,474.21	$14,400.80	$14,400.80	$2.82	
Commissioning			$3,289.47	$5,000.00	$5,000.00	$0.98	
Air Quality Assurance			$1,315.79	$2,000.00	$2,000.00	$0.39	
SUB-TOTAL 1	$894,223.16	$983,645.47	$381,444.59	$579,795.77	**$1,563,441.25**	**$305.96**	
Design Contingency 15%					$234,516.19		
Subcontractror Profit 10%					$179,795.74		
Other							
SUB TOTAL 2					**$1,977,753.17**	**$387.04**	
General Conditions 10%					$197,775.32		
TOTAL					**$2,175,528.49**	**$425.74**	**$/SF**

electrical **cost opinion**

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FEASIBILITY STUDY FOR LABORATORY SPACE DEVELOPMENT
State of Washington Department of Ecology

BASIS OF OPINION	Pre-Design	**PREPARED BY**	Amanda Waszgis, PE	**DATE**	March 31, 2022
JOB NUMBER	22029	**CHECKED BY**	Erik Stearns, PE	**OVERHEAD & PROFIT**	15%

electrical summary	quantity			engineering opinion
Remodel Electrical	**Number**	**Unit**	Unit Cost	**Total**
General Electrical Provisions (Submittals, Mobilization, Permits)	1	ls		31,578
Electrical Selective Demolition (Division 26)	3,664	sf	$ 3.45	12,641
Electrical Floorduct Rework/Recircuit/Recable (Division 26/27)	1	ls		100,000
Main Bldg Power Distribution Rework (Division 26)				154,304
Power Distribution (Division 26)				175,215
Mechanical Power (Division 26)				36,794
Branch Power (Division 26)	3,664	sf	$ 48.00	175,872
Lighting and Controls (Division 26)	4,672	sf	$ 23.90	111,661
Telecommunications (Division 27)	3,664	sf	$ 10.00	36,640
Access Control (Division 28)	1	ls		69,000
Fire Alarm (Division 28)	4,672	sf	$ 7.90	36,909
	Subtotal - Remodel Electrical			**$940,615**
TOTAL ELECTRICAL				**$940,615**

EXCLUSIONS

1 - Design contingency
2 - Sales tax
3 - Escalation
4 - Project soft costs
5 - General Contractor Overhead & Profit
6 - Phased construction

electrical **cost opinion**

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FEASIBILITY STUDY FOR LABORATORY SPACE DEVELOPMENT
State of Washington Department of Ecology

BASIS OF OPINION Pre-Design **PREPARED BY** Amanda Waszgis, PE **DATE** March 31, 2022

JOB NUMBER 22029 **CHECKED BY** Erik Stearns, PE **OVERHEAD & PROFIT** 15%

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DIVISION 26									
POWER DISTRIBUTION: MAIN BUILDING REWORK									
800A FEEDER	25	LF	178.45	4,461	76.98	1,925	6,386	957.87	7,344
Switchboard MS2 Rework									
Rework vertical section; new 800A CB	1	EA	40,000.00	40,000	60,000.00	60,000	100,000	15,000.00	115,000
Distribution Panelboards 65KAIC									
800A MLO including branch breakers	1.00	EA	14,192.00	14,192	3,600.00	3,600	17,792	2,668.80	20,461
Fault Calc and Protective Coordination Study - Small	1	LS			10,000.00	10,000	10,000	1,500.00	11,500
Subtotal Power Distribution: main building rework (Division 26)							134,178	20,126.67	154,304

electrical **cost opinion**

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electrical **cost opinion**

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State of Washington Department of Ecology

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Acid Monitoring Station	1	EA	793.00	793	1,059.50	1,060	1,853	277.88	2,130
Subtotal Mechanical Power (Division 26)							31,995	4,799	36,794

906 Columbia Street SW, Suite 400
Olympia, Washington 98501
360.352.8883
www.KMB-architects.com

Meeting Minutes

Date/Time: 02/17/2022
1:00 AM – 3:00PM

To: Department of Ecology

From: KMB architects

Project: Washington State Department of Ecology
Lower Level Lab Remodel
300 Desmond Dr. SE
Lacey, WA 98503

Subject: Meeting Minutes – Space Planning Meeting

Copied to: Project File, Craig McClelland, Attendees

Meeting Attendees:

NAME	COMPANY	EMAIL	PHONE
Gabriel Baker	Department of Enterprise Services	gabriel.baker@des.wa.gov	
Jamali Majid	Department of Enterprise Services	majid.jamali@des.wa.gov	
Alan Rue	WA. Department of Ecology	arue461@ecy.wa.gov	
Steve Adams	WA. Department of Ecology	sstr461@ecy.wa.gov	
Fran Huntington	WA. Department of Ecology	fhun461@ecy.wa.gov	
Annette Hoffmann	WA. Department of Ecology	ahof461@ecy.wa.gov	
Craig McClelland	KMB architects	craigmcclelland@kmb-architects.com	
Jason Barry	KMB architects	jasonbarry@kmb-architects.com	206-335-2824

ITEMS DISCUSSED:

An on-site project kick-off meeting regarding the Washington State Department of Ecology Lower-Level Lab Remodel project took place. Discussion included the following items:

1) Attendees met on the ground floor at the Washington State Department of Ecology building located at 300 Desmond Dr. SE in Lacey, Washington.
2) All attendees proceeded through the Covid Protocols at the main entrance.
3) The kick-off meeting started at a conference area located on the ground floor.
    a. Introductions by all attendees was performed.
    b. Alan noted that the lab would include organic and inorganic extractions, analysis and PCB (Polychlorinated Biphenyls) tests.
        i. PCB testing includes environmental samples including soils, water, fish and consumer products.
    c. Alan noted that equipment storage, sample storage, waste storage, and compressed gas tank storage is important.
        i. Need a sample storage walk in cooler (refrigerator) for hazardous waste (organic PCB extraction) with stainless steel shelving on three sides. The existing is 5'-10" x 7'-9" x 88" tall.
        ii. Two stand-alone freezers are needed. Existing are 32" x 29" x 70" tall
        iii. Jason noted that the quantity, type and location of the compressed gas tank information would be required.
    d. It was noted that the final design package would need to be enough information to obtain a bid pricing.
    e. It was confirmed that the proposed project area has increased in size on the lower level, since the last design effort.
        i. It was noted that the project area can expand as required in the easterly direction.
    f. The team reviewed the previous design.

i. The final design will be 6 main rooms, with supporting rooms
    1. organic extractions
    2. organic analysis
    3. Organic PCB Extraction
    4. Organic PCB Analysis
    5. Inorganics Extraction
    6. Inorganic Analysis
ii. It was noted that some areas in the previous design could or would stay the same.

g. Alan noted that a vented electric kiln for PCB glass cleaning is needed.
h. Generator/UPS
    i. The team verified that everything in the lab needs to have back-up power. Both equipment and research can be damaged if power is lost.
i. Basement floor
    i. The floor included runs of walker duct at approximately 3'-0" oc.
j. Key Card Access
    i. Key card access should be provided at each exterior door.
k. Lab coat storage
    i. Lab coats are worn when entering the lab. A locker for coat storage would be desirable. Gloves and eye protection are typically stored inside the lab.
l. Flammable solvents, Gasses and Acids
    i. Flammable solvents, acids, bases to be stocked in fireproof cabinet.
    ii. Nitrogen, Helium, liquid argon and liquid helium are used in cylinders. A centralized room for compressed gases is desirable.
    iii. Hydrogen is the only explosive gas. Others can just decompress.
    iv. Typically, one cylinder per lab is used and one in storage.
    v. It was noted that acids will be used in the lab area.
        1. Neutralizing acids need to occur for disposal at sinks
            a. A limestone cartridge can be provided at each sink to neutralize acids for safe disposal.
        2. Each sink should have warm water eyewash.
m. HVAC Ducts and Exhaust Stacks
    i. The owner would prefer to use an existing empty vertical exhaust stack in lieu of constructing a new one.
        1. The existing stack would be lined with stainless steel ductwork.
    ii. Fume hoods need to exhausted, return air to be supplied and some equipment requires venting.
n. A printed list of FTEs, space planning area requirements and lab equipment was provided to KMB architects.
    i. Alan noted that these documents have been sent via email as well.

4) The team concluded the general meeting and proceeded to do a site walk through.
    a. The team located where the existing vertical exhaust stacks are.
        i. The existing exhaust stacks are tall, round vertical stacks that extend above the existing adjacent parking structure.
    b. The team then proceeded to the lower level.
        i. The owner group identified where the horizontal exhaust ductwork turns 90 degrees and ascends upwards in a vertical direction.
        ii. The team was shown an existing lab adjacent to the project area.
        iii. The team examined the proposed project area.
            1. The project area includes a concrete slab floor with vinyl tiling.

a. The owner group informed the design team that the existing floor finish was installed in the mid 1990's and should have no asbestos used during the original installation.

2. The existing ceiling is painted gypsum board, locate at 8'-6" above the existing floor.
    a. The existing lighting is recessed in the ceiling and access panels are located strategically near maintenance locations.
    b. The interstitial space above the ceiling provides 50" of clearance for building systems.
    c. Existing fire sprinkler and fire alarm systems are present in the project area.
3. The main floor plan area includes caged areas for the storage of equipment and furniture.
    a. It was noted that the owner group would like to have the existing cages, fencing and gates to be removed and returned to the owner for future use.
    b. The existing equipment and furniture being stored in the cages are to be removed by the owner prior to the start of a construction project.
4. Handwashing sinks, waste sinks, eyewash stations and an existing emergency show was located in the project area.
5. The owner group located a recessed data and power raceway in the existing floor in the project area.

iv. Through out the site walk through, design team members took photos of the project area and will be shared via a project OneDrive on-line share point.

c. Some final comments and next steps were identified.
    i. KMB architects noted meeting minutes for this meeting will be created.
    ii. KMB architects noted that a OneDrive on-line share point will be provided for all team members for sharing photos, documents, and drawings.
    iii. The meeting attendees agreed that Thursdays at 1:00pm (PST) are acceptable times for meetings.
    iv. KMB architects will be sending out an invite for a Microsoft Teams meeting to review and discuss the design elements of the lab.
        1. A link to the project OneDrive will be attached to the meeting invite.

End of business; the meeting was adjourned.

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Meeting Minutes

Date/Time: 03/03/2022
1:00 AM – 3:00PM

To: Department of Ecology

From: KMB architects

Project: Washington State Department of Ecology
Lower Level Lab Remodel
300 Desmond Dr. SE
Lacey, WA 98503

Subject: Meeting Minutes – Space Planning Meeting

Copied to: Project File, Craig McClelland, Attendees

Meeting Attendees:

NAME	COMPANY	EMAIL	PHONE
Gabriel Baker	Department of Enterprise Services	gabriel.baker@des.wa.gov	
Jamali Majid	Department of Enterprise Services	majid.jamali@des.wa.gov	
Alan Rue	WA. Department of Ecology	arue461@ecy.wa.gov	
Steve Adams	WA. Department of Ecology	sstr461@ecy.wa.gov	
Fran Huntington	WA. Department of Ecology	fhun461@ecy.wa.gov	
Heidi Chuhran	WA. Department of Ecology	hchu461@ecy.wa.gov	
Brian White	Hultz/BHU Engineers, Inc	brianw@hultzbhu.com	253-383-3257
Amanda Waszgis	Hargis Engineers	Amanda.Waszgis@hargis.biz	206-448-3376
Craig McClelland	KMB architects	craigmcclelland@kmb-architects.com	360-485-8910
Jason Barry	KMB architects	jasonbarry@kmb-architects.com	206-335-2824
Terina Owen	KMB architects	terinaowen@kmv-architects.com	

ITEMS DISCUSSED:
A TEAMs Space Planning meeting regarding the Washington State Department of Ecology Lower-Level Lab Remodel project took place. Discussion included the following items:

1) Introduction of attendees was performed.
2) The project schedule was reviewed by Jason Barry.
    a. Fran confirmed that the deadline needs to be no later than 4/3/2022 for funding review purposes.
    b. The preferred deadline is March 31, 2022. April 7, 2022 is also acceptable.
    c. Jason confirmed that a weekly meeting for Thursday till the time of completion was acceptable to all.
3) Overview of overall space layouts and relationship:
    a. The first thing Jason Barry reviewed was the original 2019 study and floor plan.
        1. Alan confirmed that separate rooms are needed for Inorganic Extraction for PCB's and needs to be a negative air space with 4 fume hoods at 6'-0" long each.
        2. Jason confirmed that Organic Analysis needs to be adjacent to the clean room.
    b. It was confirmed by Alan that Volatile Organics (VOA) Lab is to be adjacent to the Organics Analysis lab.
        1. Alan also confirmed that the Inorganics Digestion Lab will be adjacent to the Inorganics Analytical lab and both will have negative air.
        2. Alan discussed the need for a Sample Receiving room with the following components within it.
            a. Walk in cooler for samples
            The room needs to be located near the entrance so they don't have to walk down a long hall to retrieve samples.

c. Alan confirmed there are also 2 free standing freezer that need to be in this space as well.
d. Alan preferred a secured entry controlled by a key card in order to eliminate public access.

3. Security was discussed by stakeholders and Steve asked Alan if the basement is already secured from public access and Alan confirmed that the basement is only card access and is limited to only the users of the various programmed spaces.
4. Jason confirmed that the sample receiving room needs to named "Sample Receiving"
5. Jason reviewed the process from "Sample Receiving and is as follows:
   a. Organic Extractions which Alan confirmed is a separate room and needs one door into main hallway.
   b. PCB Extraction which is a separate room with one door to the main hallway.
   c. Alan and Joan confirmed that the Organic and PCB Extraction rooms have a similar layout.
   d. Organic Analysis will need to have 2 doors that have direct access to the main hallway.
   e. The Inorganic Digestion lab needs 2 fume hoods and one door.
   f. Inorganic Analysis needs to be next to the Inorganic Digestion lab and no fume hoods are required.

4) Review of Individual spaces and Equipment Requirements:
   a. Sample Receiving (Jason reviewed and comments are as follows:
      1. Allan confirmed that they want a 8'-0" long preparation counter on the north or south wall and have a 6' long fume hood next to the counter. They would like to have upper cabinets at counter for additional storage.
      2. Heidi asked if they can have two walk in coolers in the event that one fails that they have a backup and Allan confirmed that is not a bad idea. Jason and Craig asked to identify the cooler size and it was confirmed that they would like a cooler that is no less than 7'-0" wide.
      3. Allan confirms that there will also be 2 stand alone freezers as well for samples.
      4. Heidi confirmed that they need space in this room for cart storage for a minimum of 3 carts.
      5. Jason asked if there needs to be plumbing in this room and Heidi confirmed it would be nice to have a sink to dump ice and confirmed it can be a utility sink.
   b. Inorganic Digestion Lab:
      1. Heidi confirmed will need only one door from main hallway.
         a. Two fume hoods and a long countertop with two separate sinks with one being designated clean and one dirty.
         b. Craig confirms that they want 5'-0" wide between workspaces and 'L' shaped counter.
         c. Craig asked if they have any major equipment requirements and Allan confirmed it's on the equipment spreadsheet and they would also like a microwave with a snorkel.
         d. Allan also confirmed that there needs to be space for two workstations for computers and one computer needs to be connected to the microwave. Heidi confirms that most people will be standing and not sitting in this space.
   c. Inorganics Analysis Lab
      1. Heidi confirmed she needs a table that will hold the ICPMS which needs a snorkel equipment with the table pulled away from the wall with a water chiller under table and the table needs to be a minimum size of 6'-0" long x 3'-0" deep.
      2. There needs to be on sitting workstation
      3. There needs to be a prep table that is 4'-0" long and this is where the sonicator is located.
      4. A U-shaped counter is preferred where they can put one workstation and a balance and shield. Also on this counter is to be located a Combustion Ion Chromatogragh. The u-shaped counter shall have storage underneath with drawers and cabinets.
      5. No refrigerator is required in this room.
      6. All gases to this lab are confirmed to be piped in and mechanical venting will have to compensate for this. (Gases in closets in the lab are most likely)
   d. Organic Extraction Lab and PCB Extraction: (Joan and Alan reviewed and confirmed the following items)

1. There are (4) 6'-0" wide fume hoods with two on each side of 4'-0" wide island counter. The clear dimensions between the fume hood and island is 5'-0" clear.
2. At the island counter there needs to be a double sink at the end of the island with deionized water dispenser and water tank. Also at the island is upper casework used for additional storage.
3. Equipment at the countertop island is: a microwave with a snorkel, a centrifuge and a vortex machine.
4. At the other countertops the following equipment is required; a full size refrigerator located against the wall, a balance with shield, and one computer work station.

e. Cleaning Room (Confirmed and reviewed by Joan and Alan)
1. Alan has confirmed a preference for a swing door versus a sliding door because the swing door can contain heat more efficiently.
2. The room needs to be U-shaped and has a undercounter lab grade dishwasher, a muffle oven with hood and an ultrasonic bath.
3. There is a pass thru space between organic and PCB extraction and in this room is located a cryomill and a liquid nitrogen dewar with swing doors from both labs into the pass thru space.

f. Organic Analysis Lab (Reviewed by Joan and Alan)
1. Two fume hoods, each located on either side of the room with double sinks located adjacent to the fume hood. Layout to be mirrored on other side of room. Under each fume hood there needs to be a flammable cabinet.
2. There needs to be space at one of the walls to accommodate two refrigerators.
3. There needs to be two 30" wide counters with 2'-0" between to hold the GCMS equipment and for the staff to have access to the back of the equipment. KMB to confirm all GCMS equipment will fit on the island.
4. They do not need sit down workstations in this room but each GCMS has a workstation attached to it.

g. Volatile Organic Analysis (VOA) Lab (Joan and Alan confirmed the following items:
1. Joan and Alan would like countertop with storage underneath and on the countertop is a GCMS with workstation.
2. Also confirmed was a 6'-0" wide fume hood with a double sink at counter adjacent to the fume hood. Sink to have deionized water dispenser and tank.
3. Counter space needs to accommodate either 2 undercounter refrigerators or one full size refrigerator.
4. Other equipment required for this room is a balance with shield and a stand up workstation.

h. Eyewash
1. Joan confirmed that every sink should have a built-in eyewash.
2. Alan confirmed that the shower eyewash needs to be located closer to the Inorganic labs.

5. Mechanical Requirements:
   a. All fume hood s need exhaust and make-up air.
   b. Microwave will need snorkel
   c. Balances will need snorkel (verify)
   d. Clean room will require full venting as it gets hot in here.
   e. All GCMS equipment have ovens with heating and cooling cycles and need venting at ceiling.
6. Next Steps are reviewed by Jason Barry
   a. Next Space planning meeting for 3/15/22

End of business; the meeting was adjourned.

FEASIBILITY STUDY FOR LABORATORY SPACE DEVELOPMENT
DEPARTMENT OF ECOLOGY
300 DESMOND DR SE
LACEY, WS 98503

PROJECT INFORMATION

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DRAWING INDEX

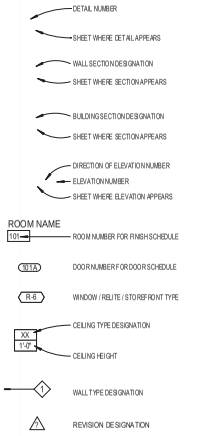
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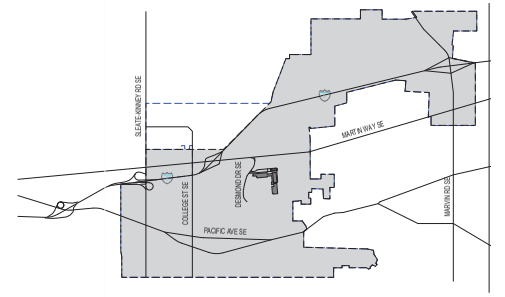
GI001	COVER SHEET
AD-101	LOWER LEVEL DEMOLITION FLOOR PLAN
A-110	LOWER LEVEL EXISTING FLOOR PLAN
A-111	LOWER LEVEL NEW FLOOR PLAN & EQUIPMENT PLAN
A-601	EQUIPMENT SCHEDULE & DETAILS
A-621	FINISH SCHEDULE

MECHANICAL

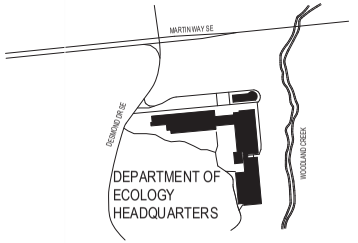
P-101	PLUMBING PLAN
M-101	HVAC PLAN

DRAWING SYMBOLS





AREA MAP
SCALE: 3/32" = 1'-0"



VICINITY MAP
SCALE: N. T. S.

DRAWING ABBREVIATIONS

&	AND	BM	BEAM	DIA, Ø	DIAMETER	FAB	FABRICATE(ION)	HB	HOSE BIBB	LF	LINEAL FEET (FOOT)	OFCI	OWNER FURNISHED / CONTRACTOR INSTALLED	REQD	REQUIRED	TOC	TOP OF CONCRETE
∠	ANGLE	BRG	BEARING	DIAG	DIAGONAL	FIN	FINISH	HC	HOLLOW CORE / HANDICAP	L	LENGTH / LONG	OFOI	OWNER FURNISHED / OWNER INSTALLED	RM	ROOM	TOP	TOP OF PAVING
@	AT	BTM	BOTTOM	DN	DOWN	FDN	FOUNDATION	HD	HOLD DOWN	LOC	LOCATION	OH	OVERHANG OR OVERHEAD	RO	ROUGH OPENING	TOM	TOP OF MASONRY
'	FOOT (FEET)	BTWN	BETWEEN	DR	DOOR	FE	FIRE EXTINGUISHER	HDW	HARDWARE	LT	LIGHT	OPNG	OPENING	SC	SOLID CORE	TOJ	TOP OF JOIST
"	INCH	CAB	CABINET	DHM	DETENTION HOLLOW METAL	FEC	FIRE EXTINGUISHER CABINET	HDR	HEADER	MC	METAL CHANNEL	OPP	OPPOSITE	SCH	SCHEDULE	TOS	TOP OF SHEATHING
d	PENNY (NAILS)	CFCI	CONTRACTOR FURNISHED / CONTRACTOR INSTALLED	DWG	DRAWING	FF	FINISH FLOOR	HGR	HANGER	MR	MOISTURE RESISTANT	ORNT	ORIENTATE(ION)	SF	SQUARE FEET (FOOT)	TOW	TOP OF WALL
℄	PLATE or PROPERTY LINE	CJ	CONSTRUCTION JOINT	(E)	EXISTING	FLG	FLASHING	HORIZ	HORIZONTAL	MATL	MATERIAL	PAR	PARALLEL	SHT	SHEET	TPD	TOILET PAPER DISPENSER
AB	ANCHOR BOLT	CL, ℄	CENTER LINE	EA	EACH	FLR	FLOOR	HM	HOLLOW METAL	MAX.	MAXIMUM	PC	PRECAST CONCRETE	SHTG	SHEATHING	TSCD	TOILET SEAT COVER DISPENSER
AC	AIR CONDITIONING	CLG	CEILING	EF	EXHAUST FAN	FOC	FACE OF CONCRETE	HR	HOUR	MB	MACHINE BOLT	PERP	PERPENDICULAR	SIM	SIMILAR	TS	TUBE STEEL
ACOUS	ACOUSTICAL)	CLR	CLEAR	EIFS	EXTERIOR INSULATION AND FINISHING SYSTEM	FOM	FACE OF MASONRY	HTG	HEATING	MECH	MECHANICAL	PLAM	PLASTIC LAMINATE	SP	SPACE(ING)	TYP	TYPICAL
ACT	ACOUSTICAL CEILING TILE	CMU	CONCRETE MASONRY UNIT	EJ	EXPANSION JOINT	FOS	FACE OF STUD	HTR	HEATER	MEZZ	MEZZANINE	PL	PLATE OR PROPERTY LINE	SPEC	SPECIFICATIONS	UON	UNLESS OTHERWISE NOTED
ACC	ACCESSIBLE	COL	COLUMN	EL	ELEVATION	FOW	FACE OF WALL	HWH	HOT WATER HEATER	MFR	MANUFACTURER	PLYD	PLYWOOD	SQ	SQUARE	VCT	VINYL COMPOSITION TILE
ADD	ADDITIONAL	CONC	CONCRETE	ELEC	ELECTRICAL	FP	FIREPROOF	ID	INSIDE DIAMETER	MIN	MINIMUM	PSF	POUNDS PER SQUARE FOOT	SS	STAINLESS STEEL	VERT. V	VERTICAL
ADJ	ADJACENT / ADJUSTABLE	CONN	CONNECTION	ELEV	ELEVATION	FR	FIRE RESISTANT	IF	INSIDE FACE	MISC	MISCELLANEOUS	PSI	POUNDS PER SQUARE INCH	SSK	SERVICE SINK	VIF	VERIFY IN FIELD
AFF	ABOVE FINISH FLOOR	CONST	CONSTRUCTION	EQ	EQUAL	FRMG	FRAMING	IN	INCH	MR	MOISTURE RESISTANT	PT	PRESSURE TREATED	STD	STANDARD	W	WIDE (WIDTH)
AFG	ABOVE FINISH GRADE	CONT	CONTINUOUS	EQUIP	EQUIPMENT	FRT	FIRE-RETARDANT-TREATED	INSUL	INSULATION	MTD	MOUNTED	QTY	QUANTITY	STGR	STAGGER	W	WITH
ALUM	ALUMINUM	CORR	CORRIDOR	ES	EACH SIDE	FT	FEET (FOOT)	INT	INTERIOR	MTL	METAL	RAD, R	RADIUS	STL	STEEL	W/O	WITHOUT
ALT	ALTERNATE	CTSK	COUNTERSINK	EXP	EXPANSION	FTG	FOOTING	JAN	JANITOR	(N)	NEW	RC	RESILIENT CHANNEL	STR	STRUCTURAL	WB	WHITE BOARD
APPROX	APPROXIMATE	CTR	CENTER	EXIST	EXISTING	GA	GAUGE	JST	JOIST	NIC	NOT IN CONTRACT	REF	REFERENCE	SUSP	SUSPENDED(TION)	WC	WATER CLOSET
ARCH	ARCHITECT(URAL)	D	DEEP (DEPTH)	EXT	EXTERIOR	GALV	GALVANIZED	JT	JOINT	NO	NUMBER	REFL	REFLECTED	SV	SHEET VINYL	WD	WOOD
BD	BOARD	DBL	DOUBLE	FA	FIRE ALARM	GB	GRAB BAR	KD	KNOCKDOWN	NTS	NOT TO SCALE	REFR	REFRIGERATOR	SYM	SYMMETRICAL	WN	WINDOW
BLDG	BUILDING	DEPT	DEPARTMENT	FD	DRINKING FOUNTAIN	GLB	GLUE-LAMINATED BEAM	KIT	KITCHEN	OC	ON CENTER	REINF	REINFORCED	TB	TACK BOARD	WP	WATERPROOF / WORK POINT
BLK	BLOCK	DF	DRINKING FOUNTAIN			GWB	GYPSUM WALLBOARD	LAT	LATERAL	OD	OUTSIDE DIAMETER			THK	THICK	WWF	WELDED WIRE FABRIC
BLKG	BLOCKING					H, HT	HIGH (HEIGHT)	LB, #	POUND(S)	OF	OUTSIDE FACE			TN	TOE NAIL	YD	YARD

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KMB Project # D1937

FEASIBILITY STUDY FOR LABORATORY SPACE DEVELOPMENT
DEPARTMENT OF ECOLOGY
300 DESMOND DR SE
LACEY, WS 98503

ORIGINAL SHEET SIZE = 24 x 36
HALF SIZE REDUCTIONS = 11 x 17

REVISION S:

DATE:
03-31-2022

FEASIBILITY STUDY

SHEET NO.
GI001
COVER SHEET

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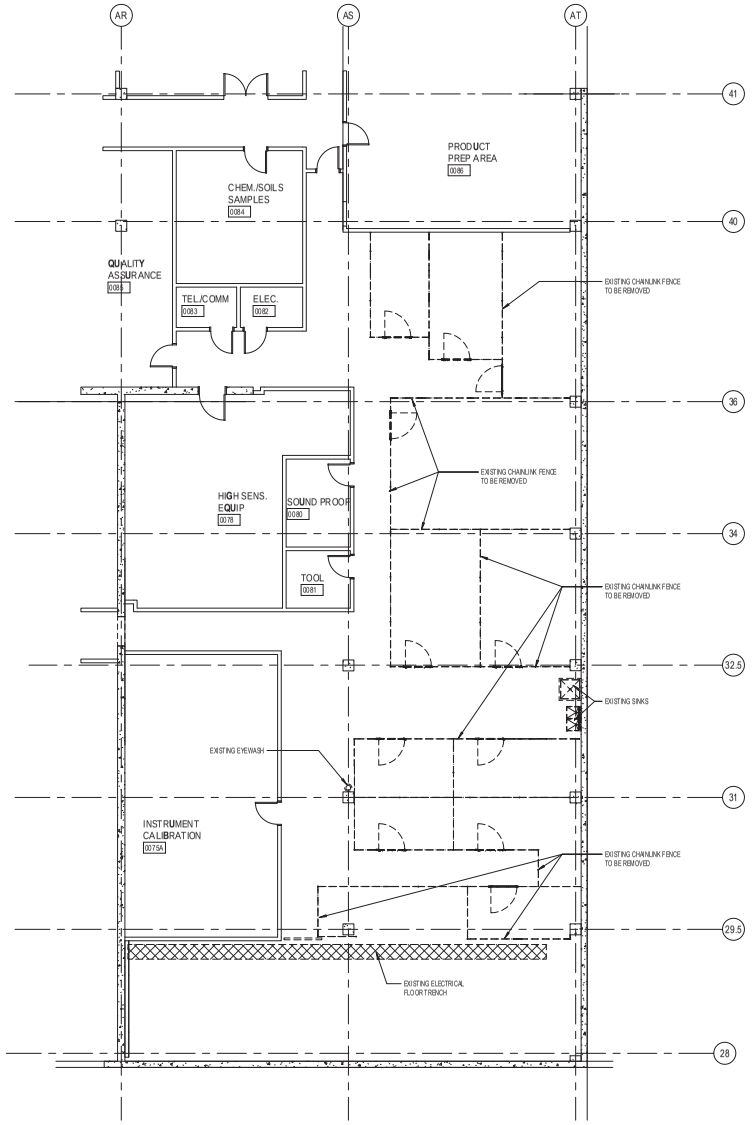
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HALF SIZE REDUCTION - 11 x 17

DATE: 03-31-2022
FEASIBILITY STUDY

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LOWER LEVEL EXISTING FLOOR PLAN

1 LOWER LEVEL EXISTING FLOOR PLAN
1/8" = 1'-0"

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1 LOWER LEVEL FLOOR DEMOLITION PLAN
1/8" = 1'-0"

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FEASIBILITY STUDY FOR LABORATORY SPACE DEVELOPMENT
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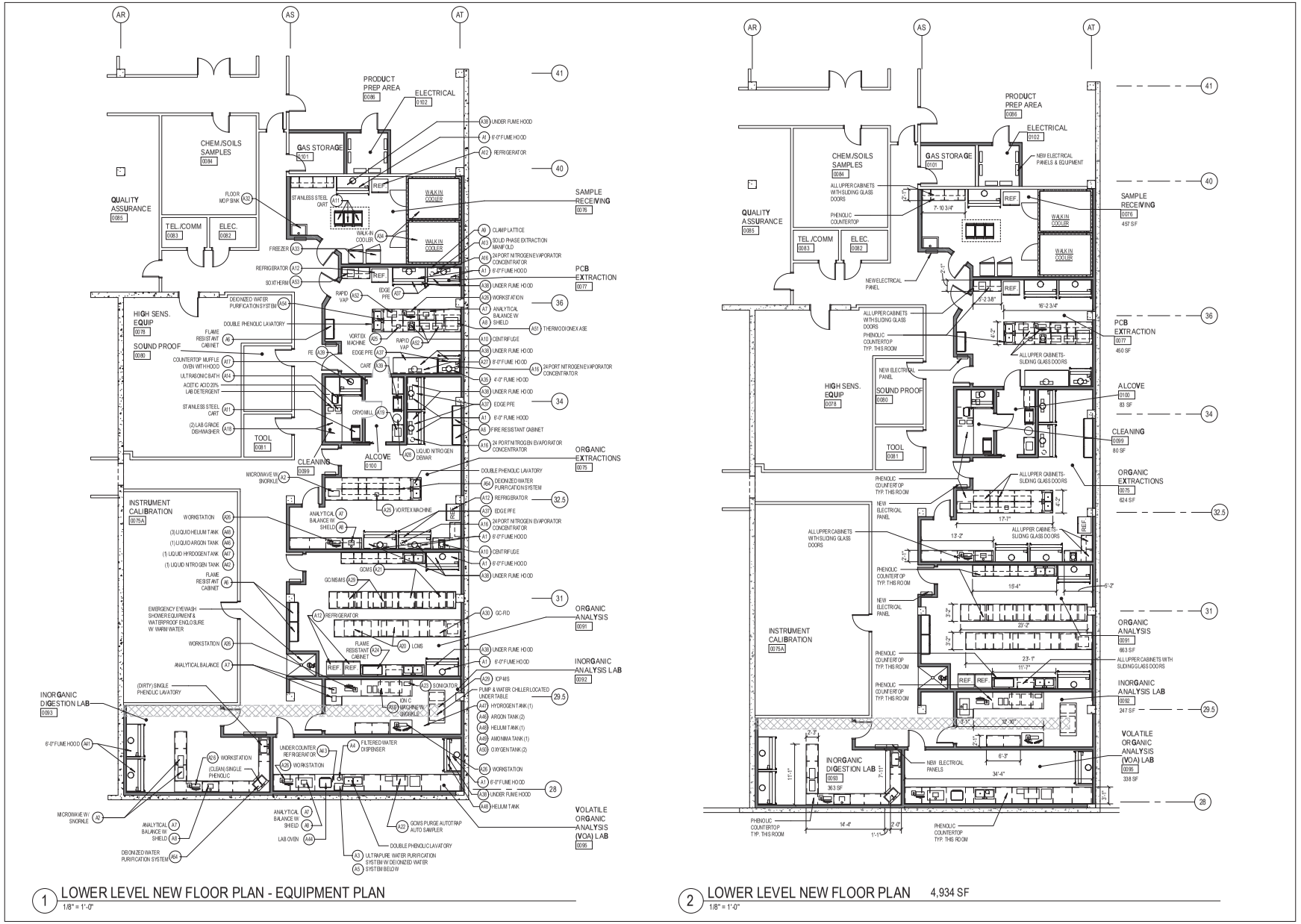
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DATE:
03-31-2022

FEASIBILITY STUDY

SHEET NO.
AD101
LOWER LEVEL DEMOLITION FLOOR PLAN

05 P1 PE
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1 LOWER LEVEL NEW FLOOR PLAN - EQUIPMENT PLAN
1/8" = 1'-0"

2 LOWER LEVEL NEW FLOOR PLAN 4,934 SF
1/8" = 1'-0"

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FEASIBILITY STUDY FOR LABORATORY SPACE DEVELOPMENT
DEPARTMENT OF ECOLOGY
300 DESMOND DR SE
LACEY, WS 98503

ORIGINAL SHEET SIZE = 24 x 36
HALF SIZE REDUCTIONS = 11 x 17

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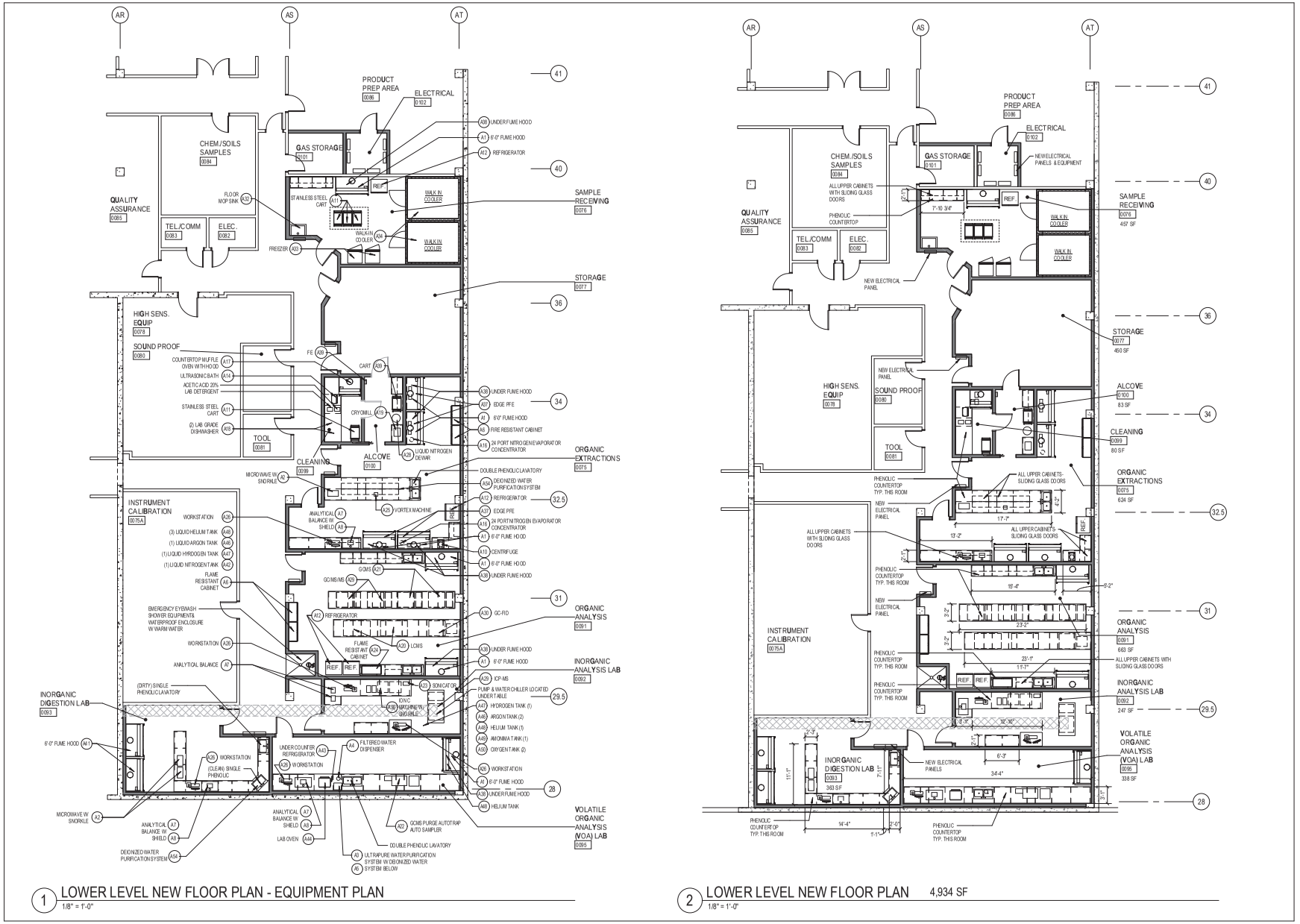
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FEASIBILITY STUDY

SHEET NO. A-111

LOWER LEVEL NEW FLOOR PLAN

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1 LOWER LEVEL NEW FLOOR PLAN - EQUIPMENT PLAN
1/8" = 1'-0"

2 LOWER LEVEL NEW FLOOR PLAN 4,934 SF
1/8" = 1'-0"

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FEASIBILITY STUDY FOR LABORATORY SPACE DEVELOPMENT
DEPARTMENT OF ECOLOGY
300 DESMOND DR SE
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HALF SIZE REDUCTIONS = 11 x 17

REVISIONS:

DATE 03-31-2022

FEASIBILITY STUDY

SHEET NO. A-112

LOWER LEVEL NEW FLOOR PLAN - ALTERNATE #1

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DEPARTMENT OF ECOLOGY LABORATORY FEASIBILITY STUDY
SAMPLE RECEIVING

TAG	TITLE	BRAND	MODEL NUMBER	QUANTITY
A1	FUME HOOD WITH EXHAUST	LABCONCO	10060040	1
A11	STAINLESS STEEL CART	LAKESIDE	11-954-764	3
A12	REFRIGERATOR/ FREEZER	THERMO SCIENTIFIC	ES SERIES 263C-AXW-TS	1
A22	FLOOR SINK WITH HOT AND COLD WATER	CROWNE	MS-2424	1
A33	LAB FREEZER- ISOTEMP GENERAL PURPOSE	FISHERBRAND	-	2
A34	WALK-IN COOLER	NORLAKE/KOLD LOCKER	KL13778B-C	2
A38	UNDER FUME HOOD FLAMMABLE CABINET	USA SAFETY	CB883000UR	2

DEPARTMENT OF ECOLOGY LABORATORY FEASIBILITY STUDY
PCB EXTRACTION

TAG	TITLE	BRAND	MODEL NUMBER	QUANITY
A1	FUME HOOD WITH EXHAUST	LABCONCO	10060040	2
A6	FIRE RESISTANT STORAGE CABINETS	LABCONCO	VARIES	1
A7	BALANCE: ENTRIS ANALYTICAL, 120G	SARTORIUS	ENTRIS124-SUS	1
A8	INSTRUMENT SHIELD	CLEATECH	-	1
A9	CLAMP LATTICE	SAFETY EMPORIUM	22005C	1
A10	CENTRIFUGE	EPPENDORF	5400/5804	1
A12	REFRIGERATOR/ FREEZER	THERMO SCIENTIFIC	ES SERIES 263C-AXW-TS	1
A13	SOLID PHASE EXTRACTION MANIFOLD	LAB SAFETY SUPPLY	462523	1
A16	24 POSITION NITROGEN EVAPORATOR	ORGANOMATION	11250-2E	2
A25	VORTEX MIXER	THERMO SCIENTIFIC	88880017	1
A26	COMPUTER WORKSTATION	-	-	1
A27	FUME HOOD WITH EXHAUST	LABCONCO	10060000	1
A35	FUME HOOD WITH EXHAUST	LABCONCO	10040000	1
A37	EDGE- AUTOMATED SOLVENT EXTRACTION SYSTEM	CEM	-	4
A38	UNDER FUME HOOD FLAMMABLE CABINET	USA SAFETY	CB883000UR	7
A51	DIONEX ASE 350 ACCELERATED SOLVENT EXTRACTOR	THERMO FISHER SCIENTIFIC	088114	1
A52	RAPIDVAP VERTEX DRY EVAPORATOR	LABCONCO	7310020	3
A53	SOXTHERM	GERHARDT	-	1
A54	DIONIZED WATER PURIFICATION SYSTEM	LABSTAC	-	1

DEPARTMENT OF ECOLOGY LABORATORY FEASIBILITY STUDY
CLEANING

TAG	TITLE	BRAND	MODEL NUMBER	QUANITY
A11	STAINLESS STEEL CART	LAKESIDE	11-954-764	1
A14	ULTRASONIC BATH 2.5 GALLON	BRANSON	MODEL 5800- CPX-952-517R	1
A17	MUFFLE OVEN	THERMO SCIENTIFIC	F48028BD	1
A18	DISHWASHER	LABCONCO	47102202	2
A19	CRYOMILL	RETSCH	20.749.0001	1
A28	LIQUID NITROGEN DEWAR	THOMAS SCIENTIFIC	WRB186805	1
A39	PLASTIC STOCK CART W/ 2 DRAWERS & 2 SHELVES	GLOBAL INDUSTRIAL	WR988842	1

DEPARTMENT OF ECOLOGY LABORATORY FEASIBILITY STUDY
ORGANIC EXTRACTIONS

TAG	TITLE	BRAND	MODEL NUMBER	QUANITY
A1	FUME HOOD WITH EXHAUST	LABCONCO	10060040	4
A2	MICROWAVE WITH EXHAUST	CEM CORPORATION	MARS 6	1
A6	FIRE RESISTANT STORAGE CABINETS	LABCONCO	VARIES	2
A7	BALANCE: ENTRIS ANALYTICAL, 120G	SARTORIUS	ENTRIS124-SUS	1
A8	INSTRUMENT SHIELD	CLEATECH	-	1
A10	CENTRIFUGE	EPPENDORF	5400/5804	1
A12	REFRIGERATOR/ FREEZER	THERMO SCIENTIFIC	ES SERIES 263C-AXW-TS	1
A16	24 POSITION NITROGEN EVAPORATOR	ORGANOMATION	11250-2E	1
A25	VORTEX MIXER	EPPENDORF	5400/5804	1
A37	EDGE- AUTOMATED SOLVENT EXTRACTION SYSTEM	CEM	-	4
A38	UNDER FUME HOOD FLAMMABLE CABINET	USA SAFETY	CB883000UR	8
A54	DEIONIZED WATER PURIFICATION SYSTEM	LABSTAC	-	1

DEPARTMENT OF ECOLOGY LABORATORY FEASIBILITY STUDY
ORGANIC ANALYSIS

TAG	TITLE	BRAND	MODEL NUMBER	QUANITY
A1	FUME HOOD WITH EXHAUST	LABCONCO	10060040	2
A6	FIRE RESISTANT STORAGE CABINETS	LABCONCO	VARIES	2
A12	REFRIGERATOR/ FREEZER	THERMO SCIENTIFIC	ES SERIES 263C-AXW-TS	2
A20	LIQUID CHROMATOGRAPH TANDEM MASS SPECTROMETER	AGILENT	1260- SINGLE MS	2
A21	GAS CHROMATOGRAPH MASS SPECTROMETER	AGILENT	7890B GC	2
A24	RED FLAMMABLE CABINET	CONDOR	4W499	2
A26	COMPUTER WORKSTATION	-	-	7
A29	8800 TRIPLE QUADRUPOLE ICP-MS	AGILENT	8800 ICP-QQQ	2
A30	GC FID	AGILENT	7890B GC WITH FID	1
A38	UNDER FUME HOOD FLAMMABLE CABINET	USA SAFETY	CB883000UR	4
A42	LIQUID NITROGEN TANK	THERMO FISHER SCIENTIFIC	11-670-9C	1
A46	ARGON GAS TANK	-	-	1
A47	HYDROGEN GAS TANK	-	-	1
A48	HELIUM GAS TANK	-	-	3

DEPARTMENT OF ECOLOGY
LABORATORY FEASIBILITY STUDY

TAG	TITLE	BRAND	MODEL NUMBER	QUANITY	COST	TOTAL COST	WIDTH	DEPTH	HEIGHT	HVAC	PLUMBING	ELECTRICAL	REMARKS
A1	FUME HOOD WITH EXHAUST	LABCONCO	10060040	10	$14,875	$148,750	72"	31.75"	66"	EXHAUST	-	110-115 VOLTS, 60 HZ, 10 AMPS	REQUIRES 36" HIGH X 36" DEEP COUNTER
A2	MICROWAVE WITH EXHAUST	CEM CORPORATION	MARS 6	3	$63,4000	$190,200	-	-	-	EXHAUST	-	-	
A3	MILLI-Q INTEGRAL 10 WATER PURIFICATION SYSTEM	EMD MILLIPORE	ZRXQ010US	1	$23,940	$23,940	19.7"	13"	19"	-	REQUIRED	100-230 VOLTS, 50-60 HZ, ETHERNET	COULD BE 3, 5, 10 OR 15 STAGE PURIFICATION
A4	Q-POD ULTRAPURE WATER REMOTE DISPENSER	EMD MILLIPORE	ZMQ3P0D01	1	$4,310	$4,310	9"	9"	22.8"		REQUIRED	100-230 VOLTS, 50-60 HZ	
A5	MILLI-Q WATER PURIFICATION SYSTEM FOR DEIONIZED WATER	EMD MILLIPORE	ZFQ10000I	1	$1,150	$1,150	10.8"	16.9"	6.7"		REQUIRED	9V BATTERY (SUPPLIED WITH SYSTEM)	
A6	FIRE RESISTANT STORAGE CABINETS	LABCONCO	VARIES	6	$2,800-5,000	$30,000	VARIES	VARIES	VARIES				
A7	BALANCE: ENTRIS ANALYTICAL, 120G	SARTORIUS	ENTRIS124-SUS	5	$4,000	$20,000	9"	12"	13"			120V/240V, 1A, 2W, 1PH, 50/60 HZ	
A8	INSTRUMENT SHIELD	CLEATECH	-	3	$1,470	$4,410	36"	24"	25"	EXHAUST			
A9	CLAMP LATTICE	SAFETY EMPORIUM	2 2005-C	4	$1,165.00	$4,660.00	62"	12"	36"				IN FUME HOOD
A10	CENTRIFUGE	EPPENDORF	5-45500042	2	$15,000	$30,000	24"	39"	24"			120V, 50-60 HZ	NOISE LEVEL <51 Db(a)
A11	STAINLESS STEEL CART	LAKESIDE	11-954-764	4	$517-600.00	$1,800	30.75"	18.38"	33"				
A12	REFRIGERATOR/ FREEZER	THERMO SCIENTIFIC	ES SERIES 263C-AXW-TS	5	$3,500.00	$17,500	30"	30"	66.62"			115V, 60 HZ	PROVIDE DATA OUTLET
A13	SOLID PHASE EXTRACTION MANIFOLD	LAB SAFETY SUPPLY	462323	1	$15,000	$15,000	38.5"	8.8"	9.8"				IN FUME HOOD
A14	ULTRASONIC BATH 2.5 GALLON	BRANSON	MODEL 5800- CPX-952-517R	1	$15,000	$15,000	15.8"	14.9"	15.6"			115V, OR 230V	60 MINUTE TIMER WITH HEAT
A15	TALL STEEL CABINET	GLOBAL INDUSTRIAL	WR903356BK	6	$475.00	$2,850.00	36"	18"	78"				
A16	24 POSITION NITROGEN EVAPORATOR	ORGANOMATION	11250-2E	4	$10,000	$40,000	-	-	-			240V	IN FUME HOOD
A17	MUFFLE OVEN	THERMO SCIENTIFIC	F48028BD	1	$11,000	$11,000.00	-	-	-	EXHAUST		240V, 1800W, 7.5A	5.9L, 100-1200 CELSIUS
A18	DISHWASHER	LABCONCO	4 7102202	2	$12,100.00	$24,200.00	24.1"	27.4"	36.1"		REQUIRED	115V, 16A	
A19	CRYOMILL	RETSCH	2 0.749.0001	1	$10,750.00	$10,750.00	14.625"	18"	10"	EXHAUST	-	100-240 VAC, 50/60 HZ	
A20	LIQUID CHROMATOGRAPHT ANDEM MASS SPECTROMETER	AGILENT	1260- SINGLE MS	2	$350,000	$700,000	-	-	-	EXHAUST, COMPRESSED AIR	PUMPS	9' X 30" COUNTER SPACE	
A21	GAS CHROMATOGRAPH MASS SPECTROMETER	AGILENT	7 890B GC	2	$150,000	$300,000	-	-	-				
A22	GCMS PURGE AND TRAP/ AUTOSAMPLER	AGILENT	7890B GC WITH ADD-ONS	1	$150,000	$300,000	-	-	-	EXHAUST	PUMPS		
A23	SONICATOR	QSONICA	Q800R3	1	$15,000	$15,000	11.5"	12"	20"			110V, 50/60 HZ	PROVIDE DATA OUTLET & LOCATED IN
A24	RED FLAMMABLE CABINET	CONDOR	4 W499	2	$1,495.00	$2,990	36"	24"	36"				ORGANIC ANALYSIS LAB
A25	VORTEX MIXER	THERMO SCIENTIFIC	8 88880017	2	$1,000.00	$2,000.00	6.1"	6.3"	3.3"			100 TO 240 V, 50/60 HZ	
A26	COMPUTER WORKSTATION	-	-	13	1,000	$13,000.00	-	-	-				PROVIDE DATA OUTLET
A27	FUME HOOD WITH EXHAUST	LABCONCO	1 0060000	1	$20,000.00	$20,000	96"	31.7"	59"	EXHAUST		110-115 VOLTS, 60 HZ, 10 AMPS	REQUIRES 36" HIGH X 36" DEEP COUNTER
A28	LIQUID NITROGEN DEWAR	THOMAS SCIENTIFIC	WRB218805	1	$2,000.00	$2,000.00	18" DIA	18" DIA	24"	-	-	-	
A29	8900 TRIPLE QUADRUPOLE ICP-MS	AGILENT	8 8D0 ICP-QQQ	1	$500,000.00	$500,000.00	-	-	-	EXHAUST	PUMPS		LOCATED IN ORGANIC ANALYSIS LAB
A30	GC FID	AGILENT	7 890B GC WITH FID	1	$40,000.00	$80,000.00	-	-	-	EXHAUST	PUMPS		LOCATED IN ORGANIC EXTRACTION LAB
A31	COUNTER MOUNTED PRINTER	-	-	6	$300.00	$1,800.00	-	-	-				PROVIDE DATA OUTLET , NOT SHOWN ON PLANS
A32	FLOOR SINK WITH HOT AND COLD WATER	CROWNE	MS-2 424	1	$1,500.00	$1,500.00	24"	24"	13"	-	REQUIRED	-	
A33	LAB FREEZER- ISOTEMP GENERAL PURPOSE	FISHERBRAND	-	2	5,3330.00	10,660.00	27.75"	32"	81"	-	-	115V, 60 HZ	PROVIDE DATA OUTLET
A34	WALK-IN - COOLER	NORLAKE/KOLD LOCKER	KL137768-C	2	20,000	40,000	6'-0"	9'-0"	7'-7"	EXHAUST	-	208-230 V	
A35	FUME HOOD WITH EXHAUST	LABCONCO	1 0040000	1	$13,000.00	$13,000.00	4'-0"	31.7"	59"	EXHAUST		110-115 VOLTS, 60 HZ, 10 AMPS	REQUIRES 36" HIGH X 36" DEEP COUNTER
A36	COMBUSTION ION CHROMATOGRAPH (IOC C MACHINE)	METROHM	2 930 9010	1	$80,000.00	$80,000	-	-	-	-			
A37	EDGE- AUTOMATED SOLVENT EXTRACTION SYSTEM	CEM	-	8	$80,000.00	$640,000.00	-	-	-	-			IN FUME HOOD
A38	UNDER FUME HOOD FLAMMABLE CABINET	USA SAFETY	CB883000UR	21	$2,225.00	$46,725.00	30"	22"	36"	-			
A39	PLASTIC STOCK CART W/ 2 DRAWERS & 2 SHELVES	GLOBAL INDUSTRIAL	WR988842	1	$253.16	$253.16	24"	36"	32"				
A40	SURFACE MOUNTED FIRE EXTINGUISHER	ULINE	-	8	$77.00	$616.00	-	-	-				
A41	FUME HOOD WITH EXHAUST	NUAIRE FUMEGARD	NU-162	2	$14,500.00	$29,000.00	72"	31"	94"	EXHAUST		110-115 VOLTS, 60 HZ, 10 AMPS	REQUIRES 36" HIGH X 36" DEEP COUNTER
A42	LIQUID NITROGEN TANK	THERMO FISHER SCIENTIFIC	11-670-SC	1	$1,800.00	$1,800.00	14.5" DIA	-	24.7"				
A43	UNDERCOUNTER REFRIGERATOR- TSG SERIES	THERMO FISHER SCIENTIFIC	TSG505SA	1	4, 023.00	4, 023.00	-	-	-			100-240V, 50/60 HZ	PROVIDE DATA OUTLET
A44	COUNTER MOUNTED LAB OVEN	QUINCY LAB INC.	40GCE	1	1, 025.00	1, 025.00	18"	21.9"	14"	EXHAUST		115/12.5 V, 1500 W	
A45	METHANE GAS TANK	-	-	-	-	-	-	-	-				
A46	ARGON GAS TANK	-	-	-	-	-	-	-	-				
A47	HYDROGEN GAS TANK	-	-	-	-	-	-	-	-				
A48	HELIUM GAS TANK	-	-	-	-	-	-	-	-				
A49	AMMONIA GAS TANK	-	-	-	-	-	-	-	-				
A50	OXYGEN GAS TANK	-	-	-	-	-	-	-	-				
A51	DIONEX ASE 350 ACCELERATED SOLVENT EXTRACTOR	THERMO FISHER SCIENTIFIC	0 88114	1	$30,000	$30,000	27.3"	26.5"	24.3"			120V	
A52	RAPIDVAP VERTEX DRY EVAPORATOR	LABCONCO	7 3010 20	3	$20,000	$60,000	20.4"	11.2"	13"			115 V, 60HZ	
A53	SOXTHERM	GERHARDT	-	1	$25,000.00	$25,000.00	15"	18"	22.83"			230 VAC, 50-60 HZ	
A54	DEIONIZED WATER PURIFICATION SYSTEM	LABSTAC	-	3	$15,000.00	$45,000.00	-	-	-		REQUIRED		
TOTAL						$3,560,872.16							
SALES TAX 9%						$320,473.16							
GRAND TOTAL						$3,881,286.11							

DEPARTMENT OF ECOLOGY LABORATORY FEASIBILITY STUDY
INORGANIC ANALYSIS

TAG	TITLE	BRAND	MODEL NUMBER	QUANITY
A7	BALANCE: ENTRIS ANALYTICAL, 120G	SARTORIUS	ENTRIS124-SUS	2
A23	SONICATOR	QSONICA	Q800R3	1
A26	COMPUTER WORKSTATION	-	-	2
A29	8900 TRIPLE QUADRUPOLE ICP-MS	AGILENT	8800 ICP-QQQ	1
A36	COMBUSTION ION CHROMATOGRAPH (IOC C MACHINE)	METROHM	2 930 9010	1
A46	ARGON GAS TANK	-	-	2
A47	HYDROGEN GAS TANK	-	-	1
A48	HELIUM GAS TANK	-	-	1
A49	AMMONIA GAS TANK	-	-	1
A50	OXYGEN GAS TANK	-	-	2

DEPARTMENT OF ECOLOGY LABORATORY FEASIBILITY STUDY
VOLATILE ORGANIC ANALYSIS (VOA) LAB

TAG	TITLE	BRAND	MODEL NUMBER	QUANITY
A1	FUME HOOD WITH EXHAUST	LABCONCO	10060040	1
A3	MILLI-Q INTEGRAL 10 WATER PURIFICATION SYSTEM	EMD MILLIPORE	ZRXQ010US	1
A5	MILLI-Q WATER PURIFICATION SYSTEM FOR DEIONIZED WATER	EMD MILLIPORE	ZFQ10000I	1
A7	BALANCE: ENTRIS ANALYTICAL, 120G	SARTORIUS	ENTRIS124-SUS	1
A8	INSTRUMENT SHIELD	CLEATECH	-	1
A22	GCMS PURGE AND TRAP/ AUTO SAMPLER	AGILENT	7890B GC WITH ADD-ONS	1
A26	COMPUTER WORKSTATION	-	-	1
A38	UNDER FUME HOOD FLAMMABLE CABINET	USA SAFETY	CB883000UR	1
A43	UNDERCOUNTER REFRIGERATOR- TSG SERIES	THERMO FISHER SCIENTIFIC	TSG505SA	1
A44	COUNTER MOUNTED LAB OVEN	QUINCY LAB INC.	40GCE	1
A46	HELIUM GAS TANK	-	-	1

DEPARTMENT OF ECOLOGY LABORATORY FEASIBILITY STUDY
INORGANIC DIGESTION LAB

TAG	TITLE	BRAND	MODEL NUMBER	QUANITY
A2	MICROWAVE WITH EXHAUST	CEM CORPORATION	MARS 6	2
A7	BALANCE: ENTRIS ANALYTICAL, 120G	SARTORIUS	ENTRIS124-SUS	1
A8	INSTRUMENT SHIELD	CLEATECH	-	1
A26	COMPUTER WORKSTATION	-	-	1
A41	FUME HOOD WITH EXHAUST	NUAIRE FUMEGARD	NU-162	2
A54	DEIONIZED WATER PURIFICATION SYSTEM	LABSTAC	-	1

KMB architects
906 Columbia Street SW, Suite 400
Olympia, Washington 98501
360.352.8883

NOT FOR CONSTRUCTION

KMB Project # D1937

FEASIBILITY STUDY FOR LABORATORY SPACE DEVELOPMENT
DEPARTMENT OF ECOLOGY
300 DESMOND DR SE
LACEY, WS 98503

ORIGINAL SHEET SIZE = 24 x 36
HALF SIZE REDUCTIONS = 11 x 17

REVISION S:

DATE: 03-31-2022

FEASIBILITY STUDY

SHEET NO.
A-601

EQUIPMENT SCHEDULE & DETAIL

05 JP 15
SAVE FILE: C:\Users\TerriaOwen\Documents\D1937_DOE-Feasibility Study_Laboratory_TerriaOwen.rvt
PLOT DATE: 3/30/2022 1:48:40 PM

DEPARTMENT OF ECOLOGY LABORATORY FEASIBILITY STUDY
SAMPLE RECEIVING

TAG	TITLE	BRAND	MODEL NUMBER	QUANITY
A1	FUME HOOD WITH EXHAUST	LABCONCO	10900000	1
A11	STAINLESS STEEL CART	LAKESIDE	11-964-754	3
A12	REFRIGERATOR/ FREEZER	THERMO SCIENTIFIC	ES SERIES 263C-AXW-TS	1
A32	FLOOR SINK WITH HOT AND COLD WATER	CROWNE	MS-2424	1
A33	LAB FREEZER- ISOTEMP GENERAL PURPOSE	FISHERBRAND	-	2
A34	WALK-IN -COOLER	NORLAKE KOLD LOCKER	KL137768-C	2
A38	UNDER FUME HOOD FLAMMABLE CABINET	USA SAFETY	CB883000DJR	2

DEPARTMENT OF ECOLOGY LABORATORY FEASIBILITY STUDY
CLEANING

TAG	TITLE	BRAND	MODEL NUMBER	QUANITY
A11	STAINLESS STEEL CART	LAKESIDE	11-964-754	1
A14	ULTRASONIC BATH 2.5 GALLON	BRANSON	MODEL 5800- CPX-952-517R	1
A17	MUFFLE OVEN	THERMO SCIENTIFIC	F4802880	1
A18	DISHWASHER	LABCONCO	4110202	2
A19	CRYOMILL	RETSCH	20.745.0001	1
A28	LIQUID NITROGEN DEWAR	THOMAS SCIENTIFIC	WRB2186B5	1
A29	PLASTIC STOCK CART W/ 2 DRAWERS & 2 SHELVES	GLOBAL INDUSTRIAL	WR988842	1

DEPARTMENT OF ECOLOGY LABORATORY FEASIBILITY STUDY
ORGANIC EXTRACTIONS

TAG	TITLE	BRAND	MODEL NUMBER	QUANITY
A1	FUME HOOD WITH EXHAUST	LABCONCO	10900040	4
A2	MICROWAVE WITH EXHAUST	CEM CORPORATION	MARS 6	1
A6	FIRE RESISTANT STORAGE CABINETS	LABCONCO	VARIES	2
A7	BALANCE; ENTRIS ANALYTICAL, 120G	SARTORIUS	ENTRIS124-SUS	1
A8	INSTRUMENT SHIELD	CLEATECH	-	1
A10	CENTRIFUGE	EPPENDORF	5-45500042	1
A12	REFRIGERATOR/ FREEZER	THERMO SCIENTIFIC	ES SERIES 263C-AXW-TS	1
A16	24 POSITION NITROGEN EVAPORATOR	ORGANOMATION	1 0250-2E	1
A25	VORTEX MIXER	THERMO SCIENTIFIC	88880017	1
A37	EDGE- AUTOMATED SOLVENT EXTRACTION SYSTEM	CEM	-	4
A38	UNDER FUME HOOD FLAMMABLE CABINET	USA SAFETY	CB883000DJR	8
A54	DEIONIZED WATER PURIFICATION SYSTEM	LABSTAC	-	1

DEPARTMENT OF ECOLOGY LABORATORY FEASIBILITY STUDY
ORGANIC ANALYSIS

TAG	TITLE	BRAND	MODEL NUMBER	QUANITY
A1	FUME HOOD WITH EXHAUST	LABCONCO	10900040	2
A6	FIRE RESISTANT STORAGE CABINETS	LABCONCO	VARIES	2
A12	REFRIGERATOR/ FREEZER	THERMO SCIENTIFIC	ES SERIES 263C-AXW-TS	2
A20	LIQUID CHROMATOGRAPH TANDEM MASS SPECTROMETER	AGILENT	1260 SINGLE MS	2
A21	GAS CHROMATOGRAPH MASS SPECTROMETER	AGILENT	7890B GC	2
A24	RED FLAMMABLE CABINET	CONDOR	4W489	1
A26	COMPUTER WORKSTATION	-	-	7
A29	8900 TRIPLE QUADRUPOLE ICP-MS	AGILENT	8800 ICP-QQQ	2
A30	GC/ FID	AGILENT	7890B GC WITH FID	1
A38	UNDER FUME HOOD FLAMMABLE CABINET	USA SAFETY	CB883000DJR	4
A42	LIQUID NITROGEN TANK	THERMOFISHER SCIENTIFIC	11-670-SC	1
A46	ARGON GAS TANK	-	-	1
A47	HYDROGEN GAS TANK	-	-	1
A48	HELIUM GAS TANK	-	-	3

DEPARTMENT OF ECOLOGY
LABORATORY FEASIBILITY STUDY

TAG	TITLE	BRAND	MODEL NUMBER	QUANITY	COST	TOTAL COST	WIDTH	DEPTH	HEIGHT	HVAC	PLUMBING	ELECTRICAL	REMARKS
A1	FUME HOOD WITH EXHAUST	LABCONCO	10900040	10	$14,875	$148,750	72"	31.75"	66"	EXHAUST	-	1 Ø-115 VOLTS, 60 HZ, 10 AMPS	REQUIRES 36" HIGH X 36" DEEP COUNTER
A2	MICROWAVE WITH EXHAUST	CEM CORPORATION	MARS 6	3	$63,4000	$190,200	-	-	-	EXHAUST	-	-	
A3	MILLI-Q INTEGRAL 10 WATER PURIFICATION SYSTEM	EMD MILLIPORE	ZRXQ0110US	1	$23,840	$23,840	19.7"	13"	19"	-	REQUIRED	100-230 VOLTS, 50-60 HZ, ETHERNET	COULD BE 3, 5, 10 OR 15 STAGE PURIFICATION
A4	Q-POD ULTRAPURE WATER REMOTE DISPENSER	EMD MILLIPORE	ZMQSPD001	1	$4,310	$4,310	9"	9"	22.8"	-	REQUIRED	100-230 VOLTS, 50-60 HZ	
A5	MILLI-D WATER PURIFICATION SYSTEM FOR DEIONIZED WATER	EMD MILLIPORE	ZFCI010001	1	$1,150	$1,150	10.6"	16.9"	6.7"	-	REQUIRED	9V BATTERY (SUPPLIED WITH SYSTEM)	
A6	FIRE RESISTANT STORAGE CABINETS	LABCONCO	VARIES	6	$2,800-5,000	$30,000	VARIES	VARIES	VARIES				
A7	BALANCE; ENTRIS ANALYTICAL, 120G	SARTORIUS	ENTRIS124-SUS	5	$4,000	$20,000	9"	12"	13"			12V/240V, 1A, 2W, 1PH, 50/60 HZ	
A8	INSTRUMENT SHIELD	CLEATECH		3	$1,470	$4,410	36"	24"	25"	EXHAUST			
A9	CLAMP LATTICE	SAFETY EMPORIUM	22005-C	4	$1,165.00	$4,660.00	62"	12"	36"				INFUME HOOD
A10	CENTRIFUGE	EPPENDORF	5420000042	2	$15,000	$30,000	24"	39"	24"			12V, 50-60 HZ	NOISE LEVEL < 51 Db (a)
A11	STAINLESS STEEL CART	LAKESIDE	11-964-754	4	$617-600.00	$1,800	30.75"	18.38"	33"				
A12	REFRIGERATOR/ FREEZER	THERMO SCIENTIFIC	ES SERIES 263C-AXW-TS	5	$3,500.00	$17,500	30"	30"	66.63"			1 15V, 60 HZ	PROVIDE DATA OUTLET
A13	SOLID PHASE EXTRACTION MANIFOLD	LAB SAFETY SUPPLY	462523	1	$15,000	$15,000	38.5"	9.8"	9.8"				INFUME HOOD
A14	ULTRASONIC BATH 2.5 GALLON	BRANSON	MODEL 5800- CPX-952-517R	1	$15,000	$15,000	15.8"	14.9"	15.6"			1 15 V, OR 230V	60 MINUTE TIMER WITH HEAT
A15	TALL STEEL CABINET	GLOBAL INDUSTRIAL	WR9333598K	6	$475.00	$2,850.00	36"	18"	78"				
A16	24 POSITION NITROGEN EVAPORATOR	ORGANOMATION	11250-2E	4	$10,000	$40,000	-	-	-			240 V	IN FUME HOOD
A17	MUFFLE OVEN	THERMO SCIENTIFIC	F4802880	1	$11,000	$11,000.00	-	-	-	EXHAUST		240V, 1800W, 7.5A	5.9L, 100-1200 CELSIUS
A18	DISHWASHER	LABCONCO	4110202	2	$12,100.00	$24,200.00	24.1"	27.4"	36.1"		REQUIRED	1 15V, 16A	
A19	CRYOMILL	RETSCH	20.745.0001	1	$10,750.00	$10,750.00	14.625"	18"	10"	EXHAUST	-	100-240 VAC, 50-60 HZ	
A20	LIQUID CHROMATOGRAPH TANDEM MASS SPECTROMETER	AGILENT	1260- SINGLE MS	2	$350,000	$700,000	-	-	-	EXHAUST, COMPRESSED AIR	PUMPS		9' X 30" COUNTER SPACE
A21	GAS CHROMATOGRAPH MASS SPECTROMETER	AGILENT	7890B GC	2	$150,000	$300,000	-	-	-				
A22	GC/MS PURGE AND TRAP / AUTO SAMPLER	AGILENT	7890B GC WITH ADD ONS	1	$150,000	$300,000	-	-	-	EXHAUST	PUMPS		
A23	SONICATOR	QSONICA	Q800R3	1	$15,000	$15,000	11.5"	12"	20"			1 15 V, 50/60 HZ	PROVIDE DATA OUTLET & LOCATED IN
A24	RED FLAMMABLE CABINET	CONDOR	4W489	2	$1,495.00	$2,990	36"	24"	35"				ORGANIC ANALYSIS LAB
A25	VORTEX MIXER	THERMO SCIENTIFIC	88880017	2	$1,000.00	$2,010.00	6.1"	6.3"	3.3"			100 TO 240 V, 50/60 HZ	
A26	COMPUTER WORKSTATION	-	-	13	1,000	$13,000.00	-	-	-				PROVIDE DATA OUTLET
A27	FUME HOOD WITH EXHAUST	LABCONCO	10900000	1	$20,000.00	$20,000	96"	31.7"	59"	EXHAUST		1 Ø-115 VOLTS, 60 HZ, 10 AMPS	REQUIRES 36" HIGH X 36" DEEP COUNTER
A28	LIQUID NITROGEN DEWAR	THOMAS SCIENTIFIC	WRB2186B5	1	$2,000.00	$2,000.00	18" DIA	18" DIA	24"				
A29	8900 TRIPLE QUADRUPOLE ICP-MS	AGILENT	8900 ICP-QQQ	1	$500,000.00	$500,000.00	-	-	-	EXHAUST	PUMPS		LOCATED IN ORGANIC ANALYSIS LAB
A30	GC/ FID	AGILENT	7890B GC WITH FID	1	$40,000.00	$80,000.00	-	-	-	EXHAUST	PUMPS		LOCATED IN ORGANIC EXTRACTION LAB
A31	COUNTER MOUNTED PRINTER	-	-	6	$300.00	$1,800.00	-	-	-	-	-	-	PROVIDE DATA OUTLET, NOT SHOWN ON PLANS
A32	FLOOR SINK WITH HOT AND COLD WATER	CROWNE	MS-2424	1	$1,500.00	$1,500.00	24"	24"	13"	-	REQUIRED	-	
A33	LAB FREEZER- ISOTEMP GENERAL PURPOSE	FISHERBRAND	-	2	5,3330.00	10,660.00	27.75"	32"	81"		-	1 15V, 60 HZ	PROVIDE DATA OUTLET
A34	WALK-IN -COOLER	NORLAKE KOLD LOCKER	KL137768-C	2	20,000	40,000	6'-0"	6'-0"	7'-7"	EXHAUST	-	208-230 V	
A35	FUME HOOD WITH EXHAUST	LABCONCO	10900000	1	$13,000.00	$13,000.00	4'-0"	31.7"	59"	EXHAUST		1 Ø-115 VOLTS, 60 HZ, 10 AMPS	REQUIRES 36" HIGH X 36" DEEP COUNTER
A36	COMBUSTION/ CHROMATOGRAPH (GC/ C MACHINE)	METROHM	2.930.9010	1	$80,000.00	$80,000	-	-	-	-			
A37	EDGE- AUTOMATED SOLVENT EXTRACTION SYSTEM	CEM		8	$80,000.00	$640,000.00	-	-	-	-			IN FUME HOOD
A38	UNDER FUME HOOD FLAMMABLE CABINET	USA SAFETY	CB883000DJR	21	$2,225.00	$46,725.00	30"	22"	36"	-			
A39	PLASTIC STOCK CART W/ 2 DRAWERS & 2 SHELVES	GLOBAL INDUSTRIAL	WR988842	1	$253.95	$253.95	24"	36"	32"				
A40	SURFACE MOUNTED FIRE EXTINGUISHER	ULINE		8	$77.00	$616.00							
A41	FUME HOOD WITH EXHAUST	NUAIRE FUME GARD	NU-162	2	$14,500.00	$29,000.00	72"	31"	54"	EXHAUST		1 Ø-115 VOLTS, 60 HZ, 10 AMPS	REQUIRES 36" HIGH X 36" DEEP COUNTER
A42	LIQUID NITROGEN TANK	THERMO FISHER SCIENTIFIC	11-670-SC	1	$1,800.00	$1,800.00	14.5" DIA	-	24.7"				
A43	UNDERCOUNTER REFRIGERATOR- TSG SERIES	THERMO FISHER SCIENTIFIC	TSG505SA	1	4,023.00	4,023.00	-	-	-			100-240V, 50-60 HZ	PROVIDE DATA OUTLET
A44	COUNTER MOUNTED LAB OVEN	QUINCY LAB INC	40GCE	1	1,025.00	1,025.00	18"	21.9"	14"	EXHAUST		1 Ø-12.5 V, 1500 W	
A45	METHANE GAS TANK	-	-	-		-	-	-	-				
A46	ARGON GAS TANK	-	-	-	-	-	-	-	-				
A47	HYDROGEN GAS TANK	-	-	-	-	-	-	-	-				
A48	HELIUM GAS TANK	-	-	-	-	-	-	-	-				
A49	AMMONIA GAS TANK	-	-	-	-	-	-	-	-				
A50	OXYGEN GAS TANK	-	-	-	-	-	-	-	-				
A51	DIONEX ASE 350 ACCELERATED SOLVENT EXTRACTOR	THERMO FISHER SCIENTIFIC	083114	1	$30,000	$30,000	27.3"	26.5"	24.3"			120V	
A52	RAPIDVAP VERTEX DRY EVAPORATOR	LABCONCO	7320020	3	$20,000	$60,000	20.4"	11.2"	13"			1 15 V, 60HZ	
A53	SOXTHERM	GERHARDT	-	1	$25,000.00	$25,000.00	15"	16"	22.85"			2.9 VAC, 50-60 HZ	
A54	DEIONIZED WATER PURIFICATION SYSTEM	LABSTAC	-	3	$15,000.00	$45,000.00	-	-	-		REQUIRED		
TOTAL						$3,560,512.95							
SALES TAX 9%						$320,473.16							
GRAND TOTAL						$3,881,286.11							

DEPARTMENT OF ECOLOGY LABORATORY FEASIBILITY STUDY
INORGANIC ANALYSIS

TAG	TITLE	BRAND	MODEL NUMBER	QUANITY
A7	BALANCE; ENTRIS ANALYTICAL, 120G	SARTORIUS	ENTRIS124-SUS	2
A23	SONICATOR	QSONICA	Q800R3	1
A26	COMPUTER WORKSTATION	-	-	2
A29	8900 TRIPLE QUADRUPOLE ICP-MS	AGILENT	8800 ICP-QQQ	1
A36	COMBUSTION/ ION CHROMATOGRAPH (IOC C MACHINE)	METROHM	2.930.9010	1
A46	ARGON GAS TANK	-	-	2
A47	HYDROGEN GAS TANK	-	-	1
A48	HELIUM GAS TANK	-	-	1
A49	AMMONIA GAS TANK	-	-	1
A50	OXYGEN GAS TANK	-	-	2

DEPARTMENT OF ECOLOGY LABORATORY FEASIBILITY STUDY
VOLATILE ORGANIC ANALYSIS (VOA) LAB

TAG	TITLE	BRAND	MODEL NUMBER	QUANITY
A1	FUME HOOD WITH EXHAUST	LABCONCO	10900040	1
A3	MILLI-Q INTEGRAL 10 WATER PURIFICATION SYSTEM	EMD MILLIPORE	ZRXQ0110US	1
A5	MILLI-D WATER PURIFICATION SYSTEM FOR DEIONIZED WATER	EMD MILLIPORE	ZFCI010001	1
A7	BALANCE; ENTRIS ANALYTICAL, 120G	SARTORIUS	ENTRIS124-SUS	1
A8	INSTRUMENT SHIELD	CLEATECH		1
A22	GC/MS PURGE AND TRAP / AUTO SAMPLER	AGILENT	7890B GC WITH ADD-ONS	1
A26	COMPUTER WORKSTATION	-	-	1
A38	UNDER FUME HOOD FLAMMABLE CABINET	USA SAFETY	CB883000DJR	1
A43	UNDERCOUNTER REFRIGERATOR- TSG SERIES	THERMO FISHER SCIENTIFIC	TSG505SA	1
A44	COUNTER MOUNTED LAB OVEN	QUINCY LAB INC.	40GCE	1
A48	HELIUM GAS TANK	-	-	1

DEPARTMENT OF ECOLOGY LABORATORY FEASIBILITY STUDY
INORGANIC DIGESTION LAB

TAG	TITLE	BRAND	MODEL NUMBER	QUANITY
A2	MICROWAVE WITH EXHAUST	CEM CORPORATION	MARS 6	2
A7	BALANCE; ENTRIS ANALYTICAL, 120G	SARTORIUS	ENTRIS124-SUS	1
A8	INSTRUMENT SHIELD	CLEATECH	-	1
A26	COMPUTER WORKSTATION	-	-	1
A41	FUME HOOD WITH EXHAUST	NUAIRE FUME GARD	NU-162	2
A54	DEIONIZED WATER PURIFICATION SYSTEM	LABSTAC	-	1

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FEASIBILITY STUDY FOR LABORATORY SPACE DEVELOPMENT
DEPARTMENT OF ECOLOGY
300 DESMOND DR SE
LACEY, WS 98503

ORIGINAL SHEET SIZE = 24 x 36
HALF SIZE REDUCTIONS = 11 x 17

REVISIONS:

DATE
03-31-2022

FEASIBILITY STUDY

SHEET NO.
A-602

EQUIPMENT SCHEDULE & DETAIL - ALTERNATE #1

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FINISH GENERAL NOTES

1. ALL INTERIOR SHALL MEET THE CURRENT IBC FOR FLAME SPREAD AND SMOKE DEVELOPMENT MINIMUM STANDARDS.
2. REFER TO 'FINISH LEGEND' AND PROJECT SPECIFICATION MANUAL FOR INTERIOR FINISH CALL-OUTS AND MANUFACTURES.
3. REFER TO 'DOOR SCHEDULE' FOR DOOR AND FRAME FINISH.
4. REFER TO 'REFLECTED CEILING PLAN' FOR CEILING FINISHES.
5. REFER TO 'INTERIOR ELEVATIONS' AND 'MOUNTING HEIGHT SHEET' FOR DIMENSIONS AND PATTERNS.
6. SVT 'WOOD GRAIN' SHALL BE PERPENDICULAR TO DOOR ENTRY OPENING U.N.O.
7. ALL INTERIOR WALL OR CEILING FINISHES SHALL BE CLASS A OR B TO COMPLY WITH NFPA 101 TABLE 10.2.2.

FINISH SCHEDULE ABBR.

ACT	ACOUSTICAL CEILING TILE
AWP	ACOUSTICAL WALL PANEL
CL	CHAIN LINK
CMU	STANDARD CONCRETE MASONRY UNIT
CMU-GF	GROUNDFACE CONCRETE MASONRY UNIT
CPT	CARPET TILE
CONC-B	BROOM FINISH CONCRETE
CONC-S	SMOOTH FINISH CONCRETE
CS	CONCRETE STAIN
EPXY	EPOXY
F	FACTORY FINISH
FRP	FIBERGLAS REINFORCED PLASTIC
FRT	FIRE RETARDANT TREATED
FT	FIRE TAPE FINISH
FTC - 1, 2,..	FLOCKED TILE CARPET (COLOR 1, COLOR 2, ETC.)
GS	EXTERIOR GYPSUM SHEATHING
GWB	STANDARD GYPSUM WALL BOARD
GWB-AR	ABUSE RESISTANT GYPSUM WALL BOARD
GWB-MR	MOISTURE & ABUSE RESISTANT G YPSUM WALL BOARD
N	NONE
OPEN	OPEN
OTS	OPEN TO STRUCTURE
PLAM	PLASTIC LAMINATE
PT-1,2,3..	PAINT - COLOR 1, COLOR 2, ETC.
PWD	FIRE RETARDANT TREATED PLYWOOD
R	RESILIENT BASE
S	SEALER
SAP	STANDARD SUSPENDED ACOUSTICAL PANEL
SAP-S	SCRUBBABLE FINISH SUSPENDED ACOUSTICAL PANEL
SV	SHEET VINYL
SVC	SHEET VINYL FLOORING, COVED BASE - 1" RADIUS
SPEC	PER SPECIFICATIONS
VAR	VARIES
VCT	VINYL COMPOSITION TILE
VP	VENEER PLASTER SYSTEM OVER CMU (UNDER BID ALTERNATE)
WD	WOOD
WOM	WALK OFF MAT

FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR MATL	FLOOR FIN	WALL BASE MATL	WALL BASE FIN	NORTH (NW) WALL MATL	NORTH (NW) WALL FIN	EAST (NE) WALL MAT L	EAST (NE) WALL FIN	SOUTH (SE) WALL MATL	SOUTH (SE) WALL FIN	WEST (SW) WALL MATL	WEST (SW) WALL FIN	CEILING FIN	CEILING MATL	NOTES
0084	CHEM./SOILS SAMPLES	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXISTING CONDITIONS - NO PROPOSED CHANGES
0085	QUALITY ASSURANCE	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXISTING CONDITIONS - NO PROPOSED CHANGES
0083	TEL./COMM	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXISTING CONDITIONS - NO PROPOSED CHANGES
0082	ELEC.	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXISTING CONDITIONS - NO PROPOSED CHANGES
0086	PRODUCT PREP AREA	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXISTING CONDITIONS - NO PROPOSED CHANGES
0078	HIGH SENS. EQUIP	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXISTING CONDITIONS - NO PROPOSED CHANGES
0080	SOUND PROOF	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXISTING CONDITIONS - NO PROPOSED CHANGES
0081	TOOL	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXISTING CONDITIONS - NO PROPOSED CHANGES
0075A	INSTRUMENT CALIBRATION	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXISTING CONDITIONS - NO PROPOSED CHANGES
0075	ORGANIC EXTRACTIONS	CONC.	SV-1	GWB	WB-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	
0076	SAMPLE RECEIVING	CONC.	SV-1	GWB	WB-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	
0077	PCB EXTRACTION	CONC.	SV-1	GWB	WB-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	
0097	CLEANING ROOM	CONC.	SV-1	GWB	WB-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	
0088	STORAGE	CONC.	SV-1	GWB	WB-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	
0091	ORGANIC ANALYSIS	CONC.	SV-1	GWB	WB-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	
0092	INORGANIC ANALYSIS LAB	CONC.	SV-1	GWB	WB-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	
0093	INORGANIC DIGESTION LAB	CONC.	SV-1	GWB	WB-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	
0095	VOLATILE ORGANIC ANALYSIS (VOA) LAB	CONC.	SV-1	GWB	WB-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	
0099	CLEANING	CONC.	SV-1	GWB	WB-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	
0100	ALCOVE	CONC.	SV-1	GWB	WB-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	
0101	GAS STORAGE	CONC.	SV-1	GWB	WB-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	
0102	ELECTRICAL	CONC.	SV-1	GWB	WB-2	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	

INTERIOR FINISH LEGEND

*BASIS OF DESIGN - ARCHITECT HAS FULL SELECTION OF COLOR

	Tag	Material	Manufacturer	Product	Notes
FLOOR	SV-1	SHEET VINYL FLOORING (FIELD)	ARMSTRONG	TO BE DETERMINED	SEAMS HEAT WELD, TYP. 72" X 6.5" X 0.080"
WALLS	PT-1	PAINT (FIELD)	SHERWIN WILLIAMS	DURATION; EGGSHELL ENAMEL; COLOR: TO BE DETERMINED	
	WP-1	WALL PROTECTION - PLASTIC LAMINATE SHEET	NEVAMAR	TEXTURED: NR20SST COLOR: TAUPE MATRIX NR20SST -36 HEIGHT	
BASE	WB-1	WALL BASE, COVED	ARMSTRONG	MATCH SV-1; PROVIDE 4" BASE	
	WB-2	WALL BASE, RUBBER	ROPPE	700 SERIES; 4 INCH TALL; COLOR: BURNT UMBER	
CASEWORK	PL-1	PLASTIC LAMINATE (VERTICAL)	NEVAMAR	TO BE DETERMINED	
	PL-2	PLASTIC LAMINATE (HORIZONTAL)	ONEPOINTE SOLUTIONS	PHENOLIC RESIN; 1/2" THICK, STRAIGHT EDGE PROFILE, COLOR: BLACK	
	EB-1	DRAWER & DOOR EDGE BANDING	CANPLAST	PVC EDGE BANDING, MATCH PL-1/GROSS: TL - 3MM	
CEILING	GWB-1	PAINTED GYPSUM DRYWALL	SHERWIN WILLIAMS	DURATION; EGGSHELL ENAMEL; COLOR: TO BE DETERMINED	MATCH ADJACENT WALL
DOORS	DF-1	DOOR FRAME (HOLLOW METAL)	SHERWIN WILLIAMS	DURATION; COLOR: TO BE DETERMINED	
	DL-1	DOOR LEAF (HIGH PRESSURE PLASTIC LAMINATE)	WILSONART	COLOR: 1077-60 KENSINGTON MAPLE, MATTE; RUN GRAIN VERT.	
MISC.	CG-1	CORNER GUARD	CUSTOM FABRICATED	STAINLESS STEEL, #4 SATIN- 16 GA W/ 2" LEGS X 36" (REFER TO DRAWINGS)	PROVIDE AT ALL OUTSIDE WALL CORNER LOCATIONS

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KMB Project # D1937

FEASIBILITY STUDY FOR LABORATORY SPACE DEVELOPMENT
DEPARTMENT OF ECOLOGY
300 DESMOND DR SE
LACEY, WS 98503

ORIGINAL SHEET SIZE = 24 x 36
HALF SIZE REDUCTIONS = 11 x 17

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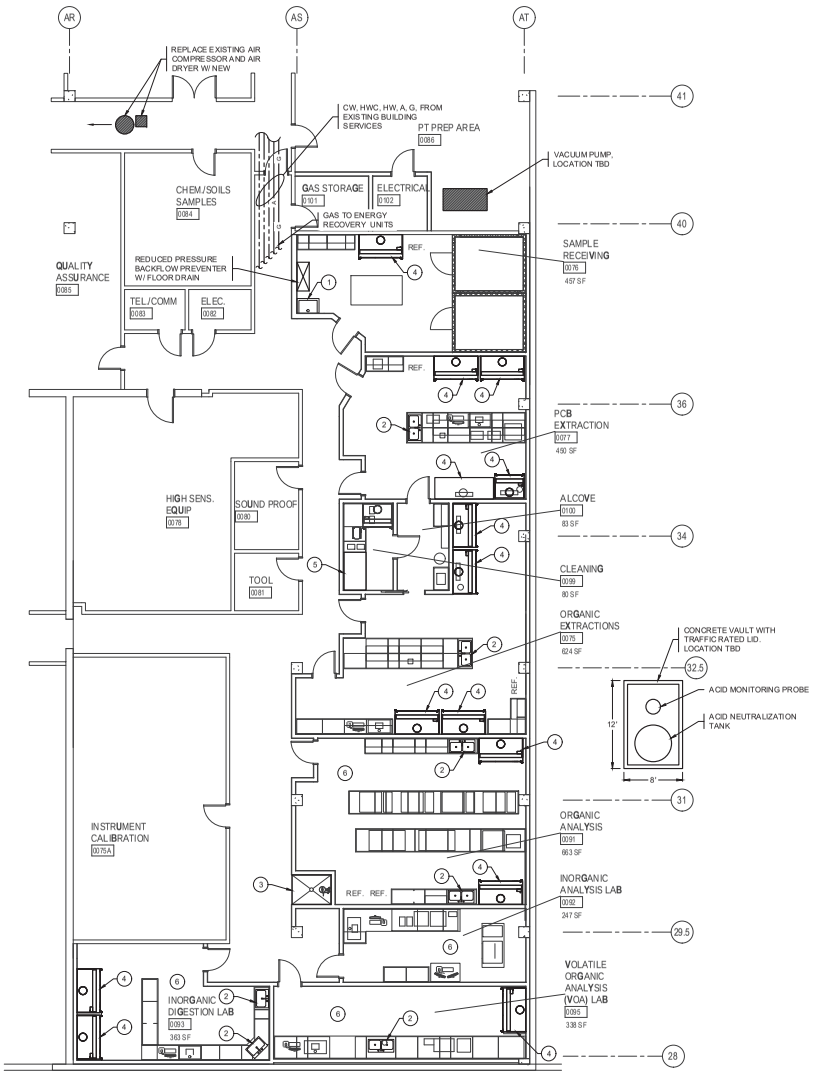
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FEASIBILITY STUDY

SHEET NO. A-621

FINISH SCHEDULE

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PLUMBING PLAN

1/8" = 1'-0"

0' 4' 8' 16'

SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. MEDICAL GASES TO BE LOCATED IN CENTRAL GAS STORAGE ROOM AND PLUMBED TO EQUIPMENT IN LABS.
2. ALL WASTE PIPING TO BE THE ACID RESISTANT TYPE AND PIPED TO AN ACID NEUTRALIZATION TANK WITH MONITORING. TANK TO BE LOCATED OUTSIDE BUILDING IN A CONCRETE VAULT.
3. VENT PIPE TO BE THE ACID RESISTANT TYPE, VENTED UP THROUGH ROOF OF PARKING GARAGE.
4. HW, CW, HWC PIPING SHALL BE TYPE L COPPER WITH SOLDERED OR PRESS TYPE FITTINGS.
5. COMPRESSED AIR PIPING SHALL BE SCH 40 STEEL WITH THREADED FITTINGS.
6. NATURAL GAS PIPING SHALL BE SCH 40 STEEL WITH WELDED, THREADED, OR PRESS TYPE FITTINGS.

KEYED NOTES:

1. FLOOR MOUNTED SERVICE SINK. HW, CW, WASTE, VENT.
2. SINK WITH PULL DOWN EMERGENCY EYEWASH. HW, CW, WASTE, VENT.
3. COMBINATION EMERGENCY EYEWASH/ SHOWER WITH FLOOR DRAIN.
4. FUME HOOD WITH CUP SINK AND GASES. HW, CW, WASTE, VENT, COMPRESSED AIR, VACUUM.
5. DISHWASHER, HW, WASTE, VENT.
6. VACUUM & COMPRESSED AIR PIPED TO LAB, LOCATION OF STATIONS TBD.

LEGEND

SYMBOL	DESCRIPTION
——	COLD WATER (CW)
——	HOT WATER (HW)
——	HOT WATER CIRCULATING (HWC)
—— A ——	COMPRESSED AIR (A)
—— G ——	NATURAL GAS (G)

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KMB Project # D1937

FEASIBILITY STUDY FOR LABATORY SPACE DEVELOPMENT
DEPARTMENT OF ECOLOGY
300 DESMOND DR SE
LACEY, WS 98503

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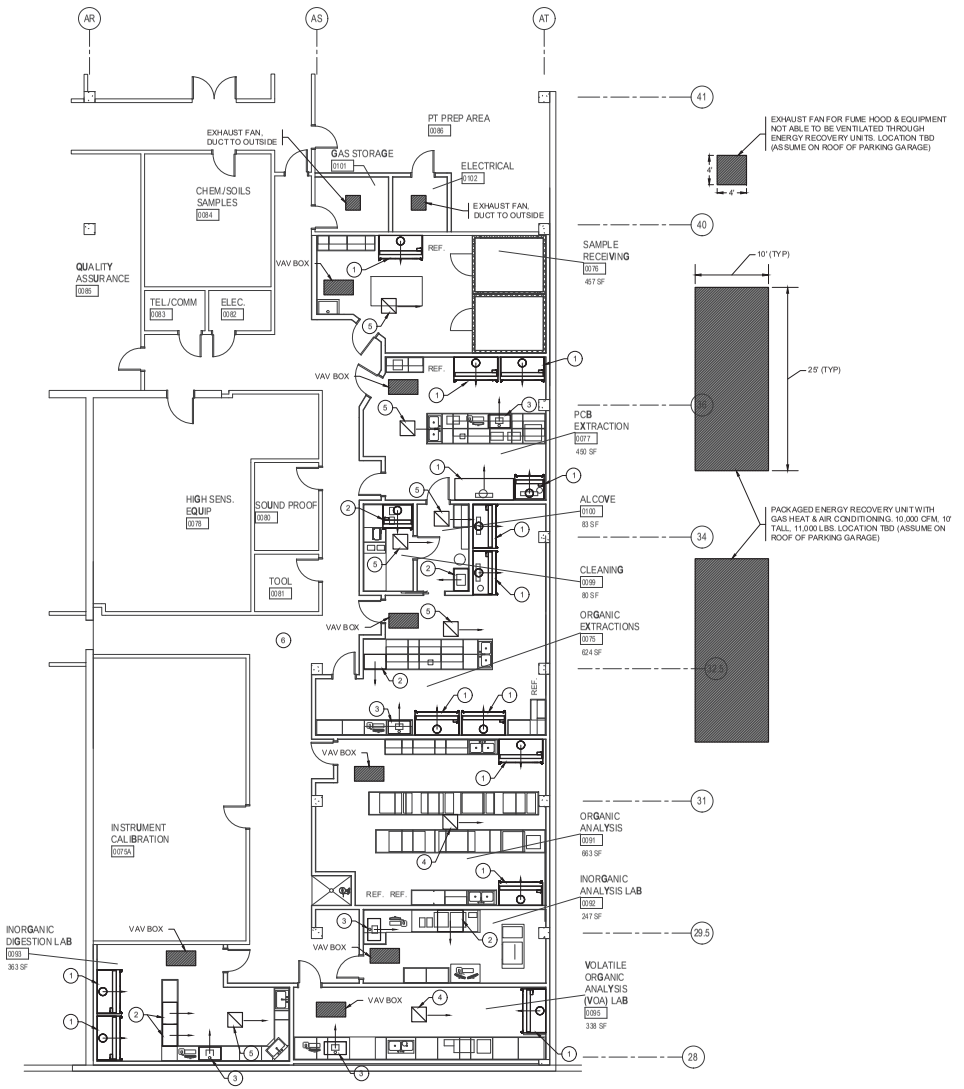
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FEASIBILITY STUDY

SHEET NO.
P-101
PLUMBING PLAN

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HVAC PLAN

1/8" = 1'-0"

SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. EXHAUST DUCTWORK SERVING FUME HOODS AND OTHER HOODS WITH CORROSIVE FUMES SHALL BE STAINLESS STEEL WITH WELDED JOINTS AND FITTINGS.
2. GENERAL EXHAUST AND SUPPLY AIR DUCTWORK SHALL BE GALVANIZED STEEL WITH MECHANICAL JOINTS.

KEYED NOTES:

1. FUME HOOD EXHAUST DUCTED OUT OF LAB.
2. HOOD WITH EXHAUST DUCTED OUT OF LAB.
3. HOOD PROVIDED WITH EQUIPMENT. EXHAUST DUCTED OUT OF LAB.
4. GENERAL ROOM EXHAUST TO REMOVE HEAT GENERATED BY EQUIPMENT. DUCTED OUT OF LAB.
5. GENERAL ROOM EXHAUST DUCTED OUT OF LAB. INTERLOCK WITH OTHER EXHAUST IN ROOM TO TURN OFF WHEN OTHER EXHAUST IS ON.
6. HALLWAY TO BE POSITIVELY PRESSURIZED IN RELATION TO ADJACENT LABS. ALL LABS TO BE NEGATIVELY PRESSURIZED.

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FEASIBILITY STUDY

SHEET NO.
M-101
HVAC PLAN

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DEPARTMENT OF ECOLOGY LABORATORY FEASIBILITY STUDY

SAMPLE RECEIVING

TAG	TITLE	BRAND	MODEL NUMBER	QUANITY
A1	FUME HOOD WITH EXHAUST	LABCONCO	100600040	1
A11	STAINLESS STEEL CART	LAKESIDE	11-954-754	3
A12	REFRIGERATOR/ FREEZER	THERMO SCIENTIFIC	ES SERIES 263C-AXW-TS	1
A32	FLOOR SINK WITH HOT AND COLD WATER	CROWNE	MS-2424	1
A33	LAB FREEZER- ISOTEMP GENERAL PURPOSE	FISHERBRAND	-	2
A34	WALK-IN -COOLER	NORLAKE KOLD LOCKER	KL137768-C	2
A38	UNDER FUME HOOD FLAMMABLE CABINET	USA SAFETY	CB8830000JR	2

DEPARTMENT OF ECOLOGY LABORATORY FEASIBILITY STUDY

PCB EXTRACTION

TAG	TITLE	BRAND	MODEL NUMBER	QUANITY
A1	FUME HOOD WITH EXHAUST	LABCONCO	100600040	2
A6	FIRE RESISTANT STORAGE CABINETS	LABCONCO	VARIES	1
A7	BALANCE; ENTRIS ANALYTICAL, 120G	SARTORIUS	ENTRIS124-SUS	1
A8	INSTRUMENT SHIELD	CLEATECH		1
A9	CLAMP LATTICE	SAFETY EMPORIUM	22005-C	1
A10	CENTRIFUGE	EPPENDORF	5405000042	1
A12	REFRIGERATOR/ FREEZER	THERMO SCIENTIFIC	ES SERIES 263C-AXW-TS	1
A13	SOLID PHASE EXTRACTION MANIFOLD	LAB SAFETY SUPPLY	46Z323	1
A16	24 POSITION NITROGEN EVAPORATOR	ORGANOMATION	11250-2E	2
A25	VORTEX MIXER	THERMO SCIENTIFIC	88880017	1
A26	COMPUTER WORKSTATION	-	-	1
A27	FUME HOOD WITH EXHAUST	LABCONCO	100800000	1
A35	FUME HOOD WITH EXHAUST	LABCONCO	100400000	1
A37	EDGE -AUTOMATED SOLVENT EXTRACTION SYSTEM	CEM	-	4
A38	UNDER FUME HOOD FLAMMABLE CABINET	USA SAFETY	CB8830000JR	7
A51	DIONEX ASE 350 ACCELERATED SOLVENT EXTRACTOR	THERMO FISHER SCIENTIFIC	083114	1
A52	RAPIDVAP VERTEX DRY EVAPORATOR	LABCONCO	7320020	3
A53	SOXTHERM	GERHARDT	-	1
A54	DIONIZED WATER PURIFICATION SYSTEM	LABSTAC	-	1

DEPARTMENT OF ECOLOGY LABORATORY FEASIBILITY STUDY
CLEANING

TAG	TITLE	BRAND	MODEL NUMBER	QUANITY
A11	STAINLESS STEEL CART	LAKESIDE	11-954-754	1
A14	ULTRASONIC BATH 2.5 GALLON	BRANSON	MODEL 5800- CPX-952-517R	1
A17	MUFFLE OVEN	THERMO SCIENTIFIC	F4802880	1
A18	DISHWASHER	LABCONCO	41103202	2

DEPARTMENT OF ECOLOGY LABORATORY FEASIBILITY STUDY ALCOVE				
TAG	TITLE	BRAND	MODEL NUMBER	QUANITY
A19	CRYOMILL	RETSCH	20.745.0001	1
A28	LIQUID NITROGEN DEWAR	THOMAS SCIENTIFIC	WRB2186805	1
A39	PLASTIC STOCK CART W/ 2 DRAWERS & 2 SHELVES	GLOBAL INDUSTRIAL	WR988842	1

DEPARTMENT OF ECOLOGY LABORATORY FEASIBILITY STUDY ORGANIC EXTRACTIONS				
TAG	TITLE	BRAND	MODEL NUMBER	QUANITY
A1	FUME HOOD WITH EXHAUST	LABCONCO	100600040	4
A2	MICROWAVE WITH EXHAUST	CEM CORPORATION	MARS 6	1
A6	FIRE RESISTANT STORAGE CABINETS	LABCONCO	VARIES	2
A7	BALANCE; ENTRIS ANALYTICAL, 120G	SARTORIUS	ENTRIS124-SUS	1
A8	INSTRUMENT SHIELD	CLEATECH		1
A10	CENTRIFUGE	EPPENDORF	5405000042	1
A12	REFRIGERATOR/ FREEZER	THERMO SCIENTIFIC	ES SERIES 263C-AXW-TS	1
A16	24 POSITION NITROGEN EVAPORATOR	ORGANOMATION	11250-2E	1
A25	VORTEX MIXER	THERMO SCIENTIFIC	88880017	1
A37	EDGE -AUTOMATED SOLVENT EXTRACTION SYSTEM	CEM	-	4
A38	UNDER FUME HOOD FLAMMABLE CABINET	USA SAFETY	CB8830000JR	8
A54	DEIONIZED WATER PURIFICATION SYSTEM	LABSTAC	-	1

DEPARTMENT OF ECOLOGY LABORATORY FEASIBILITY STUDY
ORGANIC ANALYSIS

TAG	TITLE	BRAND	MODEL NUMBER	QUANITY
A1	FUME HOOD WITH EXHAUST	LABCONCO	100600040	2
A6	FIRE RESISTANT STORAGE CABINETS	LABCONCO	VARIES	2
A12	REFRIGERATOR/ FREEZER	THERMO SCIENTIFIC	ES SERIES 263C-AXW-TS	2
A20	LIQUID CHROMATOGRAPH TANDEM MASS SPECTROMETER	AGILENT	1260- SINGLE MS	2
A21	GAS CHROMATOGRAPH MASS SPECTROMETER	AGILENT	7890B GC	2
A24	RED FLAMMABLE CABINET	CONDOR	491M89	1
A26	COMPUTER WORKSTATION	-	-	7
A29	8900 TRIPLE QUADRUPOLE ICP-MS	AGILENT	8800 ICP-QQQ	2
A30	GC FID	AGILENT	7890B GC WITH FID	1
A38	UNDER FUME HOOD FLAMMABLE CABINET	USA SAFETY	CB8830000JR	4
A42	LIQUID NITROGEN TANK	THERMO FISHER SCIENTIFIC	11-670-SC	1
A46	ARGON GAS TANK	-	-	1
A47	HYDROGEN GAS TANK	-	-	1
A48	HELIUM GAS TANK	-	-	3

DEPARTMENT OF ECOLOGY LABORATORY FEASIBILITY STUDY
INORGANIC ANALYSIS

TAG	TITLE	BRAND	MODEL NUMBER	QUANITY
A7	BALANCE; ENTRIS ANALYTICAL, 120G	SARTORIUS	ENTRIS124-SUS	2
A23	SONICATOR	QSONICA	Q800R3	1
A26	COMPUTER WORKSTATION	-	-	2
A29	8900 TRIPLE QUADRUPOLE ICP-MS	AGILENT	8800 ICP-QQQ	1
A36	COMBUSTION ION CHROMATOGRAPH (IOC C MACHINE)	METROHM	2.930.9010	1
A46	ARGON GAS TANK	-	-	2
A47	HYDROGEN GAS TANK	-	-	1
A48	HELIUM GAS TANK	-	-	1
A49	AMMONIA GAS TANK	-	-	1
A50	OXYGEN GAS TANK	-	-	2

DEPARTMENT OF ECOLOGY LABORATORY FEASIBILITY STUDY
VOLATILE ORGANIC ANALYSIS (VOA) LAB

TAG	TITLE	BRAND	MODEL NUMBER	QUANITY
A1	FUME HOOD WITH EXHAUST	LABCONCO	100600040	1
A3	MILLI-Q INTEGRAL 10 WATER PURIFICATION SYSTEM	EMD MILLIPORE	ZRXQ010US	1
A5	MILLI-D WATER PURIFICATION SYSTEM FOR DEIONIZED WATER	EMD MILLIPORE	ZFD100001	1
A7	BALANCE; ENTRIS ANALYTICAL, 120G	SARTORIUS	ENTRIS124-SUS	1
A8	INSTRUMENT SHIELD	CLEATECH		1
A22	GCMS/ PURGE AND TRAP / AUTO SAMPLER	AGILENT	7890B GC WITH ADD-ONS	1
A26	COMPUTER WORKSTATION	-	-	1
A38	UNDER FUME HOOD FLAMMABLE CABINET	USA SAFETY	CB8830000JR	1
A43	UNDERCOUNTER REFRIGERATOR- TSG SERIES	THERMO FISHER SCIENTIFIC	TSG505SA	1
A44	COUNTER MOUNTED LAB OVEN	QUINCY LAB INC.	40GCE	1
A48	HELIUM GAS TANK	-	-	1

DEPARTMENT OF ECOLOGY LABORATORY FEASIBILITY STUDY INORGANIC DIGESTION LAB				
TAG	TITLE	BRAND	MODEL NUMBER	QUANITY
A2	MICROWAVE WITH EXHAUST	CEM CORPORATION	MARS 6	2
A7	BALANCE; ENTRIS ANALYTICAL, 120G	SARTORIUS	ENTRIS124-SUS	1
A8	INSTRUMENT SHIELD	CLEATECH		1
A26	COMPUTER WORKSTATION	-	-	1
A41	FUME HOOD WITH EXHAUST	NUAIRE FUMEGARD	NU-162	2
A54	DEIONIZED WATER PURIFICATION SYSTEM	LABSTAC	-	1

August 22, 2024

Annette Hoffmann, Ph.D.
Environmental Assessment Program Manager
WA State Dept. of Ecology
300 Desmond Drive SE, Lacey WA
PO Box 47710
Olympia, WA 98504-7710
Cell: 360-972-6113

Dear Dr. Hoffmann,

This letter is in response to a recent request for an update on the status of Ecology's ability to conduct consumer product testing at the Manchester Environmental Laboratory. While we have approved requests in the past, we do not anticipate approving any future requests inside of the main laboratory.

As you know, the nature of work supported by both EPA and Ecology requires a Laboratory that is free of background contamination. For contaminants like volatile organics and mercury, laboratory background (and not instrument sensitivity) often elevates method detection limits for some target analytes. Ecology's work as it relates to consumer product testing can involve assessing sample concentrations that are much higher, creating a potential for Laboratory contamination. Because of this, we added a new section to the Laboratory Facility Sharing Agreement that specifically addresses this type of work:

> *"Both parties recognize that MEL is a facility that conducts analytical methods that require stringent facility controls and staff practices to maintain laboratory areas with very low background levels of the target analytes. Analytical work that involves higher concentration analytes, such as consumer product work, can be considered, but must be first discussed with and approve by EPA to ensure this work does not cross-contaminate the facility, the lab areas and/or work in progress. EPA will also discuss any work of this type with Ecology prior to supporting it at the facility."*

To date, EPA has approved Ecology's request to support consumer product work in the Wet Lab, located in an outbuilding, which was not being used for trace level analyses at the time. Recent increases in Ecology staffing, and the mobilization of new LCMSMS methods have created additional pressure on available laboratory space. To help with Ecology's space needs, this Spring, EPA

transferred Lab Room 13 to Ecology for its exclusive use as an LCMSMS lab, and authorized Ecology to support general chemistry analyses in the Wet Lab. This limits Ecology's ability to use the Wet Lab for consumer products work. Because EPA does not anticipate being able to accommodate consumer product testing in other areas of the main lab, this type of work today is more limited than it was when the Lab Sharing Agreement was last revised.

EPA will continue to consider any requests that Ecology has related to consumer product work. Given the space limitations in out buildings used for other high priority work, this will make future approvals extremely difficult.

Sincerely,

Michael J. Szerlog, Director
Laboratory Services and Applied Science Division

STATE OF WASHINGTON
AGENCY / INSTITUTION PROJECT COST SUMMARY

Updated June 2024

Agency	ECY- Department of Ecology
Project Name	EAP Lab Expansion (Alternative 3 - Relocate to Lacey HQ Building)
OFM Project Number	24-189

Contact Information	
Name	James Brown
Phone Number	360-789-4299
Email	jame461@ecy.wa.gov

Statistics			
Gross Square Feet	5,461	MACC per Gross Square Foot	$1,296
Usable Square Feet		Escalated MACC per Gross Square Foot	$1,390
Alt Gross Unit of Measure			
Space Efficiency	0.0%	A/E Fee Class	A
Construction Type	Laboratories (Research)	A/E Fee Percentage	13.22%
Remodel	Yes	Projected Life of Asset (Years)	
Additional Project Details			
Procurement Approach	DBB	Art Requirement Applies	No
Inflation Rate	3.33%	Higher Ed Institution	No
Sales Tax Rate %	10.00%	Location Used for Tax Rate	Lacey
Contingency Rate	5%		
Base Month (Estimate Date)	June-24	OFM UFI# (from FPMT, if available)	
Project Administered By	DES		

Schedule			
Predesign Start	January-24	Predesign End	June-24
Design Start	August-25	Design End	February-26
Construction Start	April-26	Construction End	January-27
Construction Duration	9 Months		

Green cells must be filled in by user

Project Cost Summary

Total Project	$15,845,943	Total Project Escalated	$16,968,513
		Rounded Escalated Total	$16,969,000

Amount funded in Prior Biennia	**$0**
Amount in current Biennium	**$0**
Next Biennium	**$0**
Out Years	**$16,969,000**

Acquisition			
Acquisition Subtotal	**$0**	**Acquisition Subtotal Escalated**	**$0**

Consultant Services			
Predesign Services	$175,890		
Design Phase Services	$677,789		
Extra Services	$226,500		
Other Services	$312,014		
Design Services Contingency	$69,610		
Consultant Services Subtotal	**$1,461,803**	**Consultant Services Subtotal Escalated**	**$1,537,205**

Construction			
Maximum Allowable Construction Cost (MACC)	$7,076,603	Maximum Allowable Construction Cost (MACC) Escalated	$7,591,780
DBB Risk Contingencies	$0		
DBB Management	$0		
Owner Construction Contingency	$353,830		$379,589
Non-Taxable Items	$0		$0
Sales Tax	$743,173	Sales Tax Escalated	$797,276
Construction Subtotal	**$8,173,606**	**Construction Subtotal Escalated**	**$8,768,645**

Equipment			
Equipment	$5,459,050		
Sales Tax	$545,905		
Non-Taxable Items	$0		
Equipment Subtotal	**$6,004,955**	**Equipment Subtotal Escalated**	**$6,442,116**

Artwork			
Artwork Subtotal	**$0**	**Artwork Subtotal Escalated**	**$0**

Agency Project Administration			
Agency Project Administration Subtotal	$0		
DES Additional Services Subtotal	$0		
Other Project Admin Costs	$205,580		
Project Administration Subtotal	**$205,580**	**Project Administration Subtotal Escalated**	**$220,547**

Other Costs			
Other Costs Subtotal	**$0**	**Other Costs Subtotal Escalated**	**$0**

Project Cost Estimate			
Total Project	**$15,845,943**	Total Project Escalated	**$16,968,513**
		Rounded Escalated Total	**$16,969,000**

Appendix 5

2025-27 IT ADDENDUM

Only use this addendum if your decision package includes IT costs

Part 1: Itemized IT costs

Complete the 2025-27 IT Fiscal Estimate Workbook imbedded below. This workbook will identify the IT portion of the decision package.

In the workbook, agencies must itemize all IT-related costs, including hardware, software, services (including cloud-based services), contracts (including professional services, quality assurance, and independent verification and validation), or IT staff as required in ESSB 5693 Sec. 150(4)(a)(i-ix).



2025-27PrioritizationWorksheetIT_Lacey

Part 2: Questions about facial recognition and supporting the reuse of existing state resources

A. Will this investment renew or procure a facial recognition service? ☐Yes ☒ No

B. Does this investment provide for acquisition of, or enhancement to, an administrative or financial system as required by technology policy 122 - administrative and financial system investment approval ? ☐Yes ☒ No

C. If **Yes** to question B, has this decision package obtained OCIO and OFM Administrative and Financial System review approval? ☐Yes ☐ No

- If **Yes**, attach the approval letter.
- If **No**, the decision package should not be submitted. Recommendation will be "Do Not Fund."

D. For DCYF, DOH, DSHS, HCA and the Washington Health Benefit Exchange only: Has this project been screened for inclusion in the HHS Coalition portfolio? ☐Yes ☐ No

E. Does this decision package support the adoption of modern, cloud-based technologies? ☒ Yes ☐ No

Part 3: Maintenance level decision packages

The questions in Part 3 are for **Maintenance level** decision packages and need to be answered. (If this is a policy-level decision package, skip Part 3 questions and respond to all questions in Part 4 and Part 5.)

A. Is this renewal for an existing software or subscription? ☐Yes ☐ No

B. Does this continue a current maintenance contract? ☐Yes ☐ No

C. Does this decision package fund the acquisition or expansion of hardware capacity? ☐Yes ☐ No

If **Yes**, where is the hardware solution hosted?
☐ State Data Center.
☐ External Cloud.
☐ Other location.

D. Is this a routine, planned replacement of aging hardware or equipment? ☐Yes ☐ No

If **Yes**, where will the hardware solution be hosted?
☐ State Data Center.
☐ External Cloud.
☐ Other location.

E. Has the agency performed research to determine if a modern cloud solution is available for this maintenance investment? ☐Yes ☐ No

Part 4: Policy level decision packages

The questions in Part 4 are general questions for **policy-level** decision packages.

A. Type of Investment - Identify the decision package investment classification from the following list:

☐ Addresses technical debt.
☐ Cloud advancement.
☐ Continues existing project.
☐ Critical hardware upgrade.
☒ Improves existing service.
☐ Introduces new capabilities.
☐ System modernization.

B. Does this decision package fund the acquisition, development, enhancement, or replacement of a new or existing software solution? ☐Yes ☒ No

If **Yes**, where will the software solution be hosted?
☐ State Data Center
☐ External Cloud
☐ Other location.

C. Do you expect this solution to exchange information with the state financial system (AFRS) or the OneWA solution (WorkDay)? ☐Yes ☒ No

D. Does this decision package fund the acquisition or expansion of hardware capacity? ☒Yes ☐ No

If **Yes**, where will the hardware solution be hosted? ☐ State Data Center
☐ External Cloud
☒ Other location.

E. Does this decision package fund the continuation of a project that is, or will be, under OCIO oversight? (See Technology policy 121.) ☐Yes ☒ No

If Yes, name the project:

_____

(Project name published on the IT Dashboard)

Part 5: IT investment prioritization and scoring questions

All policy level decision packages must provide a response to the following questions. Responses will be evaluated and ranked by the OCIO as required by RCW 43.88.092. The criteria scoring scale being used by the OCIO to evaluate and rank decision packages is available on the OCIO Decision Package Prioritization website. See 23-25 Decision Package Prioritization Criteria.

Agency Readiness

Due diligence. Summarize the research, feasibility or due diligence work completed to support this decision package. Attach a copy of the feasibility study or other documentation of due diligence to the decision package.

Ecology originally commissioned a study in 2019 to explore the feasibility of constructing a laboratory in Ecology's building in Lacey to perform laboratory analyses of consumer products. Based on the positive results of the study, funding was obtained for an additional study to expand the original plan for laboratory space and provide a design and cost estimates for construction of the laboratory. This study was completed and is included in the Capital Project Request.

Subsequent to the receipt of the study from the contractor, agency IT staff were consulted to review and expand on the IT components contained in the study. With their knowledge of Ecology's existing systems and laboratory information management solutions, their input provided a better picture of the IT needs of the project, which are included in this request.

Governance and management. What governance processes will support this project? Examples of governance processes include appropriately placed executive sponsor, representative steering committee, resourced vendor/contract management, change control, and incorporating stakeholder feedback into decision making processes. Provide examples of how your proposed budget includes adequate funding and planning for governance processes, if applicable.

We plan to establish a governance process using existing agency staff to oversee the information requirements of this project.

- **Executive sponsor**: Our program manager will serve as the executive sponsor for this work. She brings experience to this role, as she is currently the executive sponsor for Ecology's ArcGIS Enterprise Migration project.

- **Representative steering committee**: The steering committee will include representative management overseeing the laboratory as well as subject matter experts from within the agency who rely on the data that will be produced by the lab. It will also include agency staff involved in connecting the laboratory's instruments and computers to agency IT systems.
- **Resourced vendor/contract management**: None needed.
- **Change control**: We plan to assign a project manager to manage the information aspects of this project due to the importance of the data flow requirements of the project. They will follow the agency's model for change control processes in order to align with project management best practices.
- **Incorporating stakeholder feedback into decision-making**: The stakeholders to this project are primarily the agency staff who rely on the data that will be produced by the new product testing laboratory. Their feedback will be solicited through the steering committee to ensure their information and data needs are met.

Planning and readiness. Describe how your agency will resource the implementation of this investment request. Will in-house resources be used, or will resources be acquired? How has organizational change management been factored into planning and approach? Does the investment require a project management approach to be used? Describe whether project and organizational change management resources are included in this request or will be provided by in-kind resources. Describe whether the proposed budget includes costs associated with independent quality assurance.

Ecology plans to use a combination of in-house resources (existing staff) and new funding through a Capital Project Request to implement this request. Existing staff will manage the project and provide necessary expertise through the life of the project. New funding will be requested to construct the laboratory, purchase laboratory instruments, and the computers needed to run the instruments, as well as provide for transporting equipment and supplies currently housed in the basement of Ecology's Lacey building to a new location. Organizational change management has been factored into the planning and approach of this project through meetings with programs that will be displaced from space in the building where the product testing laboratory will be built. Project and organizational change management will be provided by in-kind resources. Independent quality assurance is not needed as we plan to conduct quality assurance internally.

Technical alignment

Strategic and technical alignment. Using specific examples, describe how this investment aligns with strategic and technical elements of the Enterprise Technology Strategic Plan. Examples of strategic principles that tie back to tenets of the strategic plan include, but are not limited to, advance digital government, support use of common and shared technologies across agencies, improve the Washington customer experience across digital channels, strengthen privacy capacity in state and local government. Examples of technical principles that tie back to tenets of the strategic plan include but are not limited to; adoption of modern cloud-hosted technologies, provide proactive cybersecurity capabilities, reduce technical debt, expand integration between systems.

This investment most closely aligns with Goal #4 of the Enterprise Technology Strategic Plan – Enterprise Architecture. It supports the use of common and shared technologies by utilizing solutions already in place at Ecology's existing Manchester Environmental Laboratory to integrate the connection of laboratory instruments and computers at this newly constructed laboratory with existing information management databases and users of the laboratory-generated data.

Reuse and interoperability. Does the proposed solution support interoperability and/or interfaces of existing systems within the state? Does this proposal reuse an existing solution or existing components of a solution already in use elsewhere in the state? If the solution is a new proposal, will it allow for such principles in the future? Provide specific examples.

Ecology has an existing laboratory at the Manchester Environmental Laboratory facility (MEL), which is shared with the Environmental Protection Agency. This request will reuse and build on existing solutions already in place for data transfer and sharing from MEL.

Business alignment

Business driven technology. What are the business problems to be addressed by the proposed investment? These business problems should provide the basis for the outcome discussion below. Describe how end users (internal and external) will be involved in governance and implementation activities.

Ecology currently tests consumer products for toxics at the Manchester Environmental Laboratory (MEL), which is shared with EPA. Consumer products have been found to have very high concentrations of contaminants. These high concentrations can contaminate the lab and equipment, thereby interfering with the low concentration environmental analyses conducted within the same lab areas. EPA, the facility owner, is requiring Ecology to stop testing consumer products at MEL because of potential contamination issues.

Constructing a new laboratory space in Ecology's Lacey building will allow us to continue to analyze consumer products for toxics; however, this will require the acquisition of new laboratory instruments and computers. The new computer hardware will allow us to transfer analytical data from the laboratory instruments to laboratory staff, Ecology's Product Testing and Environmental Information Management databases, and other users of the data.

Measurable business outcome. Describe and quantify the specific performance outcomes you expect from this funding request. Provide specific examples of business outcomes in use within your agency, and how those outcomes will be improved because of this technology investment. Does the response align with the measurable business outcomes identified in the Strategic and Performance Outcomes in Chapter 2 of the 2023-25 budget instructions? What outcomes and results, either positive or negative will occur? Identify all Lean initiatives and their expected outcomes. Include incremental performance metrics.

The outcome of the overall request will be to allow Ecology to continue testing consumer products for toxics. Ecology will be able to carry out its responsibilities under the Children's Safe Products Act, Safer Products for Washington Act, and the Toxic Free Cosmetics Act to help reduce the amount of toxic chemicals in the environment and in products used by residents of Washington State. The technology

investment contained in the overall request will allow the data generated from testing of consumer products to be utilized by those working to identify and regulate the toxic chemicals threatening the health of Washington residents.

This request, therefore, provides essential support to the Governor's Results Washington Goals of Sustainable Energy and a Clean Environment, and Healthy and Safe Communities, by identifying and reducing toxic threats in consumer products, which is critical to protecting the health of communities and the environment in Washington State.

Decision package urgency

During the evaluation and ranking process, the OCIO will take into consideration, the urgency of the decision package request. Describe the urgency of implementing the technology investment in this cycle and the impacts to business if it does not proceed as planned.

It is urgent to implement the technology investment in this cycle because currently, only very limited product testing can be conducted at MEL and EPA has notified Ecology that it will soon not allow any product testing to be performed at MEL. If the overall request is not implemented in this funding cycle, testing of consumer products by Ecology will stop and we will be unable to carry out our responsibilities under the Children's Safe Products Act, Safer Products for Washington Act, and the Toxic Free Cosmetics Act. If laboratory construction is funded and only the technology investment is not implemented in this funding cycle, we will need to submit a request for funding in the 2027-29 biennium. This will create a gap where Ecology is unable to produce and share analytical data from testing of consumer products or it will force us to explore alternative funding mechanisms.

2025-27 Biennial Budget HEAL Act Template

Background

HEAL Act requirements

The Healthy Environment for All Act (HEAL Act), Chapter 314, Laws of 2021 (RCW 70A.02) requires that "covered and opt in agencies" must implement the requirements of the HEAL Act. This includes the:

- Department of Ecology
- Department of Agriculture
- Department of Commerce
- Department of Health
- Department of Natural Resources
- Department of Transportation
- Puget Sound Partnership
- Office of the Attorney General

HEAL Act agencies that are considering a significant agency action initiated after July 1, 2023, are required to conduct an environmental justice assessment. RCW 70A.02.010(12) specifies that significant agency actions include:

- The development and adoption of significant legislative rules as defined in RCW 34.05.328.
- The development and adoption of any new grant or loan program that the agency is explicitly authorized or required by statute to implement.
- A capital project, grant, or loan award costing at least $12,000,000.
- A transportation project, grant, or loan costing at least $15,000,000.
- The submission of agency request legislation to the Office of the Governor or OFM.

Under RCW 70A.02.080, beginning on or before July 1, 2023, covered and opt in agencies must, where practicable, take specific actions when making expenditure decisions or developing budget requests to OFM and the Legislature for programs that address or may cause environmental harms or provide environmental benefits. This includes:

- Focus applicable expenditures on creating environmental benefits that are experienced by overburdened communities and vulnerable populations, including reducing or eliminating environmental harms, creating community and population resilience, and improving the quality of life of overburdened communities and vulnerable populations.
- Create opportunities for overburdened communities and vulnerable populations to meaningfully participate in agency expenditure decisions.
- Clearly articulate environmental justice goals and performance metrics to communicate the basis for agency expenditures.
- Establish a goal of directing 40% of grants and expenditures that create environmental benefits to vulnerable populations overburdened communities.

To help OFM understand how HEAL Act agency budget requests meet HEAL Act requirements, covered agencies are required to complete additional questions related to the HEAL Act. These questions are shown below and are in addition to the equity related questions required of all agencies. Covered agencies are asked to complete the following questions and submit them through ABS.

HEAL Act questions

If you answer YES to any of these bullet points, please answer the six additional questions and submit them as an attachment through ABS.

- Is this decision package part of an agency request legislation that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding to support another significant agency action that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding for a program/project/activity that may **provide environmental benefits or reduce, mitigate, or eliminate environmental harms**, (that is not a significant agency action)? Note: This may include decision packages for programs not purposely directed to provide environmental benefits but may have an indirect or unintentional impact.

  ☒ Yes

  ☐ No

If you answer YES to any of the above bullet points, please complete these additional questions.

1. Please describe specific likely or probable environmental harms and/or benefits related to your decision package and the associated health impacts to overburdened communities and vulnerable populations.

   Many of the product testing projects performed in the new lab will involve analysis of samples chosen with equity considerations in mind. These projects may use tools such as the Environmental Justice (EJ) Screening Assessment Tool, which was previously used for selecting sample sites in a 2021 Toxics in School Supplies Project and proved useful in identifying and better protecting children from disadvantaged communities. This tool is a GIS-based assessment, which uses EPA's EJScreen and the U.S. Census Bureau's geocoding data to create an EJ Index of potential sample sites.

Additionally, there is a new focus on products marketed specifically to certain racial and cultural demographics. Many of these products, such as cosmetics and shampoos, have complicated formulas that require extensive research and development in order to be tested in the laboratory. This space will create the resources needed for these analyses.

2. Please describe the estimated percentage and amount of the requested funds that will go towards creating environmental benefits in overburdened communities and vulnerable populations as defined in OFM's the OBC map or as determined by the agency. If applicable, please include your methodology for making this estimate, including project/award lists if available.

   None of the requested funds will go towards directly creating environmental benefits in overburdened communities and vulnerable populations. This is a building construction project and 100% of the requested funds are to be spent on construction-related expenses such as architects, engineers, and contractors. Indirectly, many samples analyzed by the new product testing lab may be for projects designed to address the needs of overburdened communities and/or vulnerable populations. At this time, there is no way to estimate what portion of future analytical work falls into this category. In addition, there may be indirect expenditures affecting overburdened communities or vulnerable populations if certified MWBE contracting firms located in overburdened communities or owned and staffed by members of vulnerable populations are selected to work on this construction project.

3. Please describe any potential significant impacts to Indian Tribes' rights and interest in their tribal lands, as well as traditional practices.

   N/A. There are no anticipated impacts to Indian tribes' rights and interest in their tribal lands.

4. Describe how your agency engaged with Tribes in developing this proposal, including offers for tribal consultation including timelines, methods for feedback, and mechanisms for Tribes to express concern, opposition, or support., and any direction provided by Tribes through this engagement.

   N/A. This is a building construction project and 100% of the requested funds are to be spent on construction-related expenses. The agency did not engage with Tribes in developing this proposal.

5. If the decision package is part of agency request legislation or supports another significant agency action that is required to complete an environmental justice assessment under RCW 70A.02.010(12), please submit the assessment as an attachment in ABS.

An EJ Assessment will be conducted if this project is determined to meet the criteria of a significant agency action.

6. If the decision package is part of agency request legislation or constitutes a significant agency action that is required to complete an environmental justice assessment, please describe how your agency used the environmental justice assessment process to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits. If your agency determined that you were unable to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits, please provide a justification for not doing so.

   N/A

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OFM

461 - Department of Ecology
Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 12:48PM

Project Number: **91000383**
Project Title: **DDT Soil Remediation Pilot**

Description

Starting Fiscal Year: 2024
Project Class: Program
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Model Toxics Control Capital Account for a pilot program in Okanogan County to remediate soil contaminated with dichlorodiphenyltrichloroethane (DDT) and DDT remnants.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appppropriations minus expenditures through June 2024 Fiscal Month 12.

Proviso

Yes

Location

City: Unincorporated **County:** Okanogan **Legislative District:** 007

Project Type

Grants

Growth Management impacts

No

New Facility: No

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
23N-1	MTC Capital Account-State	5,000,000		208,000	4,792,000	
	Total	**5,000,000**	**0**	**208,000**	**4,792,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

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OFM

461 - Department of Ecology
Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:51PM

Project Number: **40000127**
Project Title: **Padilla Bay Federal Capital Projects**

Description

Starting Fiscal Year: 2020
Project Class: Program
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the General Fund - Federal Account so it can spend federal dollars if we successfully secure new National Oceanic and Atmospheric Administration (NOAA) funding. The NOAA administers an annual competitive capital grant program for the nation's federal estuarine reserves. Under NOAA's Estuarine Reserve Division, Ecology's Padilla Bay National Estuarine Research Reserve is eligible to apply for a 70 percent federal grant to be used for facility construction, remodeling, and property acquisition for projects within the scope of the Reserve's management plan and federal regulations. The other 30 percent match is not state cash and instead comes from donations, in-kind contributions, and other non-state sources.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

See attached project list for detailed subproject descriptions, statuses, and reappropriation explanations.

Location

City: Mount Vernon **County:** Skagit **Legislative District:** 040

Project Type

Program (Minor Works)

Growth Management impacts

N/A

New Facility: No

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
001-2	General Fund-Federal	500,000			500,000	
	Total	**500,000**	**0**	**0**	**500,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
001-2	General Fund-Federal				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

Ecology Capital Reappropriation Project List

August 2024

Purpose: Identify the subprojects, status, and justification for 2025-27 capital reappropriation requests that were originally funded prior to the 2021-23 biennium. Amount remaining based on expenditures through June 2024.

40000127	Padilla Bay Federal Capital Projects

Project Title	Project Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
NOAA National Estuarine Reserve Procurement, Acuisition, and Construction Program	Replace HVAC at Padilla Bay Reserve	Expected to be under agreement by the end of the 2023-25 biennium. Applications for 2025-27 award cycle are due January of 2025. Awards will be announced spring 2025.	Appropriation is for spending on federal grants for capital improvement projects at Padilla Bay. New projects were not sought or approved and therefore these funds were not spent.	500,000	Mt Vernon	Skagit	10	3	48.49	-122.48
TOTAL				**500,000**						

OFM

461 - Department of Ecology
Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 12:58PM

Project Number: **40000612**
Project Title: **Padilla Bay Samish Conservation Area**

Description

Starting Fiscal Year: 2024
Project Class: Program
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the General Fund - Federal Account so it can spend federal dollars if we successfully secure new National Oceanic and Atmospheric Administration (NOAA) funding. The NOAA administers an annual competitive capital grant program for the nation's federal estuarine reserves. Under NOAA's Estuarine Reserve Division, Ecology's Padilla Bay National Estuarine Research Reserve is eligible to apply for a 70 percent federal grant to be used for facility construction, remodeling, and property acquisition for projects within the scope of the Reserve's management plan and federal regulations. The other 30 percent match is not state cash and instead comes from donations, in-kind contributions, and other non-state sources.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Proviso

No

Location

City: Mount Vernon **County:** Skagit **Legislative District:** 040

Project Type

Grants

Growth Management impacts

None

New Facility: No

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
001-2	General Fund-Federal	2,333,000		1,972,000	361,000	
	Total	**2,333,000**	**0**	**1,972,000**	**361,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
001-2	General Fund-Federal				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 12:58PM

Project Number: 40000612
Project Title: Padilla Bay Samish Conservation Area

Operating Impacts

No Operating Impact

Department of Ecology
2025-2035 Capital Budget

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/8/2024 8:30AM

Project Number: **40000627**
Project Title: **2025-27 Protect Investments in Cleanup Remedies**

Description

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 2

Project Summary

At Superfund-financed sites, or when Washington assumes liability for a cleanup, the state has financial responsibility for cleanup costs. When the U.S. Environmental Protection Agency cleans up a site in Washington, the state enters into a State Superfund Contract. It binds Washington to pay for 10% of the cleanup construction costs and 100% of the long-term operation and maintenance costs of the cleanup remedy. When Washington assumes responsibility for a cleanup site – like after a bankruptcy, or when a site is orphaned or abandoned – protecting the remedy requires ongoing investment. This request will provide funding to meet legal requirements, protect public investments in cleanup, and protect human health and the environment from remedy failure. (Model Toxics Control Capital Account)

Project Description

What is the proposed project?

Ecology is requesting $4,450,000 to protect investments in cleanup remedies. The federal cleanup law is the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). Under CERCLA, the U.S. Environmental Protection Agency (EPA) can clean up sites in Washington where there are no responsible parties to pay the cleanup costs. Prior to starting any remedial action that is Superfund financed, EPA requires the state to sign a Superfund State Contract (SSC) that provides financial assurance and a legal commitment to share costs. The contract outlines that EPA will pay 90% of the cleanup and the state is responsible for the remaining 10%.

Once EPA completes the cleanup at a Superfund site, the state is responsible to pay 100% of long-term operations and maintenance (O&M). Examples of ongoing O&M include groundwater extraction and treatment systems and inspection of a cap to ensure it is not compromised.

If a cleanup remedy is not going to be implemented, or if it is going to fail at a bankrupt or abandoned site, the state may decide to intervene and continue the remedy or actively contract for the cleanup to protect human health and the environment from contamination. These sites can also require ongoing O&M according to a long-term maintenance plan that is part of the designed cleanup remedy. If the maintenance plan is not followed, the remedy will fail, and the site will re-contaminate.

Note: Local governments and liable parties are responsible for O&M and related costs to protect cleanup remedies at their sites.

What opportunity or problem is driving this request?

Some contaminated sites require ongoing investments that are essential to protecting existing remedies, such as continued operation of a treatment plant. All projects on this list represent a legal responsibility for the state to either clean up or maintain the site through O&M, providing Superfund match to the EPA, or other binding agreements.

What are the specific benefits of this project?

This request will benefit Washingtonians by assuring continual operation of treatment plants and protecting existing remedies. Specifically, benefits of this request include:

- Cleaned up contaminated sites.
- Reduced exposure of hazardous substances to the environment and public as work progresses on these sites.
- Planned economic redevelopment.

Description

This request will also provide economic benefits to the state by creating up to 16 jobs during the next four years based on Office of Financial Management estimates.

What are the effects of non-funding?
All of the projects included in this request represent an ongoing legal obligation for either cleanup or O&M. Without continued funding, Ecology would not continue these cleanups or protect existing remedies, subsequently failing to meet legal obligations. Sites would be at risk for recontamination due to remedy failure. Deferring O&M (whether through partial shutdowns, schedule delays, etc.) would result in increased contamination, subsequently accumulating cleanup costs over time. Issues like equipment repair and replacement, longer treatment system operation times, or increased laboratory analysis could increase costs. The state could also be found in direct violation of various state and federal regulations or a breach of the SSCs.

Why is this the best option or alternative?
As described above, all projects included within the project list are legal obligations for Ecology and the state. One of Ecology's strategic goals is to prevent and reduce waste, toxic threats, and pollution, and this request is an integral part of reducing, preventing, and cleaning up the most contaminated sites to protect and improve the lives of people and the environment. Model Toxics Control Act (MTCA) funding has traditionally been used for this cleanup work, and this request is consistent with the uses of the MTCA Capital Account.

How will clients be affected and services change if this project is funded?
This request will continue ongoing efforts and result in local cleanups and land redevelopment. Cleaning up contaminated property is usually integrated with economic development, habitat restoration, and public recreation projects. Most cleanup projects are the first phase of a larger community or economic redevelopment project where the cleanup site is the focal point of the project. When projects reach the O&M phase, the ongoing O&M is critical to ensuring investment in the final cleanup remedy is protected and continues to protect human health and the environment.

Focus on Equity
Target Populations and Communities:
This request supports Ecology's legal obligations for site-specific cleanups. These include superfund payments to the EPA, ongoing O&M, and monitoring.

Ecology uses equity and environmental justice (EJ) criteria to evaluate and inform site prioritization. For state-directed cleanups, Ecology considers several factors when prioritizing sites, including whether the site impacts a likely vulnerable population or overburdened community. Within the project list, Ecology considered the following equity-related factors for prioritization:

- The Environmental Health Disparities (EHD) Index from the Department of Health's EHD Map. This index considers 19 indicators that include environmental exposures and effects as well as sensitive populations and socioeconomic factors.

- Demographic Index from the Environmental Protection Agency's (EPA) EJ Screen. This index is based on the average of two socioeconomic indicators: low-income and people of color.

- Supplemental Demographic Index from EPA's EJScreen. This index is based on the average of five socioeconomic indicators: low-income, unemployment, limited English, less than high school education, and low life expectancy (which is a

Description

health dataset).

- Office of Financial Management's Overburdened Communities of Washington State dataset by 2010 Census Tracts.

Community Outreach and Engagement:
All the state-directed cleanups funded by this request are subject to the public participation and Tribal engagement requirements in our state's cleanup rules. Under those rules, Ecology will:

- Provide the public with meaningful opportunities to participate throughout the cleanup process (WAC 173-340-600). When developing public participation plans for cleanups, Ecology will specifically consider the needs of likely vulnerable populations and overburdened communities and the threats posed to such populations (WAC 173-340-600(9)(a) and (b)).

- Ensure effective communication and outreach that addresses linguistic, cultural, literacy, technology, and accessibility barriers and welcomes meaningful participation when discretion permits to comply with Title VI nondiscrimination obligations and promote environmental justice best practices for meaningful community engagement.

- Seek meaningful engagement with affected Indian Tribes throughout the cleanup process (WAC 173-340-620). Ecology will develop a Tribal engagement plan to provide Indian Tribes with timely information, effective communication, continuous opportunities for collaboration and, when necessary, government-to-government consultation, as appropriate for each site (WAC 173-340-620(3)).

- Conduct cultural resource consultations with Indian Tribes in accordance with Governor's Executive Order 21-02 and WAC 173-340-815 at each appropriate step in the cleanup process to enable Tribes to provide input on the overall design and scope of each project.

To comply with Title VI nondiscrimination obligations, and to promote environmental justice best practices for meaningful community engagement, Ecology will ensure effective communication and outreach that addresses linguistic, cultural, literacy, technology, and accessibility barriers and welcomes meaningful participation when discretion permits.

Disproportional Impact Considerations:
This request will protect human health and environment, including of vulnerable populations and overburdened communities, from contamination at cleanup sites throughout Eastern Washington. Under our state's cleanup rules, all state-directed cleanups funded by this request must consider:

- Public concerns, including the concerns of likely vulnerable populations and overburdened communities, identified through the community engagement process.

- Indian Tribes' rights and interests identified through the Tribal engagement process.

See WAC 173-340-360(3)(d) and(5)(c)(i)(C). During the cleanup selection process, Ecology must specifically consider vulnerable populations and overburdened communities, including when evaluating the protectiveness, long-term effectiveness, implementation risks, and restoration time frame of different cleanup alternatives (WAC 173-340-360(4)(c) and (5)(d)).

HEAL Act Agencies Supplemental Questions:
See attached.

Project Number: 40000627
Project Title: 2025-27 Protect Investments in Cleanup Remedies

Description

What is the agency's proposed funding strategy for the project?
Ecology requests funding from the MTCA Capital Account for this request. Using MTCA Capital Account funds for this request is consistent with the purposes of MTCA, Chapter 70A.305 RCW, and the MTCA Capital Account, RCW 70A.305.190, which establishes that funds in the account must be used for improvement, rehabilitation, remediation, and cleanup of toxic sites. To do this work, a tax is assessed on hazardous materials, including petroleum products, pesticides, and some chemicals.

In even-numbered years, Ecology is required to provide the Legislature with a comprehensive report, the Model Toxics Control Act Capital Account Ten-Year Financing Report. Ecology produces this report in coordination with local governments that have cleanup responsibilities and entities developing affordable housing. The report identifies the projected financial needs to clean up contaminated sites that are eligible for funding from the MTCA Capital Account and describes how we plan to spend funds to clean up sites in the upcoming biennium and the next ten years. The "Model Toxics Control Act Capital Account: Ten-Year Financing Report 2022" is available here: https://apps.ecology.wa.gov/publications/SummaryPages/2209080.html.

Its companion report, the Model Toxics Control Accounts Biennial Report of Expenditures, describes how cleanup funds were spent over the previous biennium. Ecology produces this report in odd-numbered years. Find the 2021-23 biennial report online at https://apps.ecology.wa.gov/publications/SummaryPages/2309060.html.

Are FTEs required to support this project?
No

How does the project support the agency and statewide results?
This request is essential to achieving the Governor's Results Washington Goal 3: Sustainable Energy and a Clean Environment and Ecology's Goal 3: Prevent and Reduce Waste, Toxic Threats, and Pollution because it will support cleanup remedies of contaminated sites to protect human health and the environment.

This request is essential to achieving the Governor's Results Washington Goal 2: Prosperous Economy because it will create and support jobs and make it possible to redevelop previously contaminated land to support economic growth in communities.

How will the other state programs or units of government be affected if this project is funded?
These cleanup projects are a collaborative effort by local, Tribal, state, and federal governments; business; agricultural and environmental interests; and the public to help preserve and protect Washington's environment. This funding is critical to ensuring cleanups work as designed to protect public and private capital investments in these sites.

Proviso
No

Location
City: Statewide **County:** Statewide **Legislative District:** 098

Project Type
Grants

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/8/2024 8:30AM

Project Number: 40000627
Project Title: 2025-27 Protect Investments in Cleanup Remedies

Description

Grant Recipient Organization: N/A
RCW that establishes grant: N/A
Application process used
N/A

Growth Management impacts
N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
23N-1	MTC Capital Account-State	44,450,000				4,450,000
	Total	**44,450,000**	**0**	**0**	**0**	**4,450,000**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State	10,000,000	10,000,000	10,000,000	10,000,000
	Total	**10,000,000**	**10,000,000**	**10,000,000**	**10,000,000**

Operating Impacts

No Operating Impact

SubProjects

SubProject Number: 40000630
SubProject Title: Kaiser Mead

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/8/2024 8:30AM

Project Number: 40000627
Project Title: 2025-27 Protect Investments in Cleanup Remedies

SubProjects

SubProject Number: 40000630
SubProject Title: Kaiser Mead

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 2

Project Summary

At Superfund-financed sites, or when Washington assumes liability for a cleanup, the state has financial responsibility for cleanup costs. When the U.S. Environmental Protection Agency cleans up a site in Washington, the state enters into a State Superfund Contract. It binds Washington to pay for 10% of the cleanup construction costs and 100% of the long-term operation and maintenance costs of the cleanup remedy. When Washington assumes responsibility for a cleanup site – like after a bankruptcy, or when a site is orphaned or abandoned – protecting the remedy requires ongoing investment. This request will provide funding to meet legal requirements, protect public investments in cleanup, and protect human health and the environment from remedy failure. (Model Toxics Control Capital Account)

Project Description

Continue operation of the pump & treat ground water system at the Kaiser Mead site. Waste handling practices used by the Kaiser Aluminum Company from the 1940s to the late 1970s led to cyanide, fluoride and nitrate contamination in part of the Spokane-Rathdrum Prairie Aquifer and the Little Spokane River. The groundwater plume is 145 feet below ground, 800 – 1500 feet wide, and travels approximately 2.5 miles to the Little Spokane River. It then discharges into a series of springs.

In 2020, The Kaiser Mead NPL Groundwater treatment system was built by the Mead Custodial Trust under the direction of Ecology to address groundwater impacts from the former Kaiser Mead Aluminum smelter. The system is designed to remove cyanide (free and total), fluoride and nitrate from groundwater using a combination of a submerged flow bioreactor and physical/chemical processes. Currently the Mead Custodial Trust manages the system and is funded by the insurance money acquired through the Kaiser bankruptcy settlement. The trust will run out of funds in 2025.

Location

City: Unincorporated **County:** Spokane **Legislative District:** 007

Project Type

Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A
Application process used

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
23N-1	MTC Capital Account-State	3,500,000				3,500,000
	Total	**3,500,000**	**0**	**0**	**0**	**3,500,000**

Project Number: 40000627
Project Title: 2025-27 Protect Investments in Cleanup Remedies

SubProjects

SubProject Number: 40000630
SubProject Title: Kaiser Mead

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000631
SubProject Title: Priceless Gas

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 2

Project Summary

At Superfund-financed sites, or when Washington assumes liability for a cleanup, the state has financial responsibility for cleanup costs. When the U.S. Environmental Protection Agency cleans up a site in Washington, the state enters into a State Superfund Contract. It binds Washington to pay for 10% of the cleanup construction costs and 100% of the long-term operation and maintenance costs of the cleanup remedy. When Washington assumes responsibility for a cleanup site – like after a bankruptcy, or when a site is orphaned or abandoned – protecting the remedy requires ongoing investment. This request will provide funding to meet legal requirements, protect public investments in cleanup, and protect human health and the environment from remedy failure. (Model Toxics Control Capital Account)

Project Description

This former gas station site in Davenport with petroleum in soil and groundwater has a cleanup remedy and restrictive covenant in place. Funding will support ongoing groundwater monitoring and system repair, maintenance, and operation.

Proviso

No

Location

City: Davenport **County:** Lincoln **Legislative District:** 009

Project Type

Grants

Project Number: 40000627
Project Title: 2025-27 Protect Investments in Cleanup Remedies

SubProjects

SubProject Number: 40000631
SubProject Title: Priceless Gas

Grant Recipient Organization: N/A
RCW that establishes grant: N/A
Application process used
N/A

Growth Management impacts
N/A

Funding

Acct Code	Account Title	Expenditures: Estimated Total	Prior Biennium	Current Biennium	2025-27 Fiscal Period: Reapprops	New Approps
23N-1	MTC Capital Account-State	100,000				100,000
	Total	**100,000**	**0**	**0**	**0**	**100,000**

Acct Code	Account Title	Future Fiscal Periods: 2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000632
SubProject Title: Handy Andy Time Oil

Project Number: 40000627
Project Title: 2025-27 Protect Investments in Cleanup Remedies

SubProjects

SubProject Number: 40000632
SubProject Title: Handy Andy Time Oil

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 2

Project Summary

At Superfund-financed sites, or when Washington assumes liability for a cleanup, the state has financial responsibility for cleanup costs. When the U.S. Environmental Protection Agency cleans up a site in Washington, the state enters into a State Superfund Contract. It binds Washington to pay for 10% of the cleanup construction costs and 100% of the long-term operation and maintenance costs of the cleanup remedy. When Washington assumes responsibility for a cleanup site – like after a bankruptcy, or when a site is orphaned or abandoned – protecting the remedy requires ongoing investment. This request will provide funding to meet legal requirements, protect public investments in cleanup, and protect human health and the environment from remedy failure. (Model Toxics Control Capital Account)

Project Description

Petroleum contamination was found in the soil in 1991 and later in groundwater near Burnt Bridge Creek and private residences. Remedial actions were taken by Time Oil according to a Consent Decree with Ecology signed in 2000, including the operation of a groundwater recovery and treatment system. This groundwater recovery and treatment system is in operation today, under the management of Ecology following Time Oil's bankruptcy. Besides the continued maintenance of the groundwater recovery and treatment system, a new remedial investigation needs to be contracted to address the remaining sources of groundwater contamination in the soil that have proven thus far to be resistant to existing treatment systems.

Location

City: Vancouver **County:** Clark **Legislative District:** 049

Project Type

Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A
Application process used

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
23N-1	MTC Capital Account-State	850,000				850,000
	Total	**850,000**	**0**	**0**	**0**	**850,000**

Project Number: 40000627
Project Title: 2025-27 Protect Investments in Cleanup Remedies

SubProjects

SubProject Number: 40000632
SubProject Title: Handy Andy Time Oil

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000633
SubProject Title: 2025-27 Protect Investments in Cleanup Remedies Ten Year Fin Plan

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 2

Project Summary

At Superfund-financed sites, or when Washington assumes liability for a cleanup, the state has financial responsibility for cleanup costs. When the U.S. Environmental Protection Agency cleans up a site in Washington, the state enters into a State Superfund Contract. It binds Washington to pay for 10% of the cleanup construction costs and 100% of the long-term operation and maintenance costs of the cleanup remedy. When Washington assumes responsibility for a cleanup site – like after a bankruptcy, or when a site is orphaned or abandoned – protecting the remedy requires ongoing investment. This request will provide funding to meet legal requirements, protect public investments in cleanup, and protect human health and the environment from remedy failure. (Model Toxics Control Capital Account)

Project Description

Ten year financial plan

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/8/2024 8:30AM

Project Number: 40000627
Project Title: 2025-27 Protect Investments in Cleanup Remedies

SubProjects

SubProject Number: 40000633
SubProject Title: 2025-27 Protect Investments in Cleanup Remedies Ten Year Fin Plan

Grant Recipient Organization: N/A
RCW that establishes grant: N/A
Application process used
N/A

Growth Management impacts
N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
23N-1	MTC Capital Account-State	40,000,000				
	Total	**40,000,000**	**0**	**0**	**0**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State	10,000,000	10,000,000	10,000,000	10,000,000
	Total	**10,000,000**	**10,000,000**	**10,000,000**	**10,000,000**

Operating Impacts

No Operating Impact

Ecology 2025-27 Biennium Capital Budget Project List
Toxics Cleanup Program
Protect Investments in Cleanup Remedies

August 2024

Purpose: This list provides project details about the 2025-27 Protect Investments in Cleanup Remedies budget request. This list represents cleanup projects that need funding to meet legal requirements, protect public investments in cleanup and protect human health and the environment from remedy failure. This list is a plan based on the best information available to Ecology. The plan may change as more information becomes available.

Rank	CSID	Project Title	Project Description	Amount	Phase of Cleanup	Site Address	City	County	Leg. District	WRIA	Lat.	Long.
1	2901	Kaiser Mead	Continue operation of the pump & treat ground water system at the Kaiser Mead site. Waste handling practices used by the Kaiser Aluminum Company from the 1940s to the late 1970s led to cyanide, fluoride and nitrate contamination in part of the Spokane-Rathdrum Prairie Aquifer and the Little Spokane River. The groundwater plume is 145 feet below ground, 800 – 1500 feet wide, and travels approximately 2.5 miles to the Little Spokane River. It then discharges into a series of springs. In 2020, The Kaiser Mead NPL Groundwater treatment system was built by the Mead Custodial Trust under the direction of Ecology to address groundwater impacts from the former Kaiser Mead Aluminum smelter. The system is designed to remove cyanide (free and total), fluoride and nitrate from groundwater using a combination of a submerged flow bioreactor and physical/chemical processes. Currently the Mead Custodial Trust manages the system and is funded by the insurance money acquired through the Kaiser bankruptcy settlement. The trust will run out of funds in 2025.	3,500,000	Cleanup	2111 E Hawthorne Rd	Mead	Spokane	7	55 - Little Spokane	47.75	-117.38
2	5945	Priceless Gas	This former gas station site in Davenport with petroleum in soil and groundwater has a cleanup remedy and restrictive covenant in place. Funding will support ongoing groundwater monitoring and system repair, maintenance, and operation.	100,000	Monitoring and Site Use Controls	1108 Morgan St	Davenport	Lincoln	9	53 - Lower Lake Roosevelt	47.65	-118.16
3	4981	Handy Andy Time Oil	Petroleum contamination was found in the soil in 1991 and later in groundwater near Burnt Bridge Creek and private residences. Remedial actions were taken by Time Oil according to a Consent Decree with Ecology signed in 2000, including the operation of a groundwater recovery and treatment system. This groundwater recovery and treatment system is in operation today, under the management of Ecology following Time Oil's bankruptcy. Besides the continued maintenance of the groundwater recovery and treatment system, a new remedial investigation needs to be contracted to address the remaining sources of groundwater contamination in the soil that have proven thus far to be resistant to existing treatment systems.	850,000	Remedial Investigation	3314 NE 44th St	Vancouver	Clark	49	28 - Salmon-Washougal	45.65	-122.64
			TOTAL	**4,450,000**								

2025-27 Biennial Budget HEAL Act Template

Background

HEAL Act requirements

The Healthy Environment for All Act (HEAL Act), Chapter 314, Laws of 2021 (RCW 70A.02) requires that "covered and opt in agencies" must implement the requirements of the HEAL Act. This includes the:

- Department of Ecology
- Department of Agriculture
- Department of Commerce
- Department of Health
- Department of Natural Resources
- Department of Transportation
- Puget Sound Partnership
- Office of the Attorney General

HEAL Act agencies that are considering a significant agency action initiated after July 1, 2023, are required to conduct an environmental justice assessment. RCW 70A.02.010(12) specifies that significant agency actions include:

- The development and adoption of significant legislative rules as defined in RCW 34.05.328.
- The development and adoption of any new grant or loan program that the agency is explicitly authorized or required by statute to implement.
- A capital project, grant, or loan award costing at least $12,000,000.
- A transportation project, grant, or loan costing at least $15,000,000.
- The submission of agency request legislation to the Office of the Governor or OFM.

Under RCW 70A.02.080, beginning on or before July 1, 2023, covered and opt in agencies must, where practicable, take specific actions when making expenditure decisions or developing budget requests to OFM and the Legislature for programs that address or may cause environmental harms or provide environmental benefits. This includes:

- Focus applicable expenditures on creating environmental benefits that are experienced by overburdened communities and vulnerable populations, including reducing or eliminating environmental harms, creating community and population resilience, and improving the quality of life of overburdened communities and vulnerable populations.
- Create opportunities for overburdened communities and vulnerable populations to meaningfully participate in agency expenditure decisions.
- Clearly articulate environmental justice goals and performance metrics to communicate the basis for agency expenditures.
- Establish a goal of directing 40% of grants and expenditures that create environmental benefits to vulnerable populations overburdened communities.

To help OFM understand how HEAL Act agency budget requests meet HEAL Act requirements, covered agencies are required to complete additional questions related to the HEAL Act. These questions are shown below and are in addition to the equity related questions required of all agencies. Covered agencies are asked to complete the following questions and submit them through ABS.

HEAL Act questions

If you answer YES to any of these bullet points, please answer the six additional questions and submit them as an attachment through ABS.

- Is this decision package part of an agency request legislation that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding to support another significant agency action that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding for a program/project/activity that may **provide environmental benefits or reduce, mitigate, or eliminate environmental harms**, (that is not a significant agency action)? Note: This may include decision packages for programs not purposely directed to provide environmental benefits but may have an indirect or unintentional impact.

  ☒ Yes

  ☐ No

If you answer YES to any of the above bullet points, please complete these additional questions.

1. Please describe specific likely or probable environmental harms and/or benefits related to your decision package and the associated health impacts to overburdened communities and vulnerable populations.

This request will protect the health and environment of vulnerable populations and overburdened communities from contamination at cleanup sites across the state. This budget request supports remedial action activities for cleanup sites for which Washington has a legal responsibility, such as Superfund sites and ongoing operations, maintenance, and monitoring. Without continued investment in the cleanup remedies these sites will become a threat to public health, the environment, groundwater, and fish and wildlife resources.

Under our state's cleanup rules, all state-directed cleanups funded by this request must consider:

- Public concerns, including the concerns of likely vulnerable populations and overburdened communities, identified through the community engagement process.
- Indian tribes' rights and interests identified through the tribal engagement process.

See WAC 173-340-360(3)(d) and(5)(c)(i)(C). During the cleanup selection process, Ecology must specifically consider vulnerable populations and overburdened communities, including when evaluating the protectiveness, long-term effectiveness, implementation risks, and restoration time frame of different cleanup alternatives (WAC 173-340-360(4)(c) and (5)(d)).

2. Please describe the estimated percentage and amount of the requested funds that will go towards creating environmental benefits in overburdened communities and vulnerable populations as defined in OFM's the OBC map or as determined by the agency. If applicable, please include your methodology for making this estimate, including project/award lists if available.

   This budget request is for three projects totaling $4.45 million. The estimated percentage of funds that will go towards creating environmental benefits in overburdened communities and vulnerable populations as defined in OFM's OBC map is 79% or $3.5 million and represents one of the three projects. This estimate is based on project location within the OBC Map (see project list).

3. Please describe any potential significant impacts to Indian Tribes' rights and interest in their tribal lands, as well as traditional practices.

   There are no anticipated impacts to Indian Tribes' rights and interest in their tribal lands or traditional practices.

4. Describe how your agency engaged with Tribes in developing this proposal, including offers for tribal consultation including timelines, methods for feedback, and mechanisms for Tribes to express concern, opposition, or support., and any direction provided by Tribes through this engagement.

   All the state-directed cleanups funded by this request are subject to the public participation and tribal engagement requirements in our state's cleanup rules. Under those rules, Ecology seeks meaningful engagement with affected Indian tribes throughout the cleanup process and conducts cultural resource consultations with Indian tribes in accordance with Governor's Executive Order 21-02 (GEO 21-02) and WAC 173-340-815 at each appropriate step in the cleanup process to enable Tribes to provide input on the overall design and scope of each project. Ecology will develop a tribal engagement plan to provide Indian tribes with timely information, effective communication, continuous opportunities for collaboration and, when necessary, government-to-government consultation, as appropriate for each site (WAC 173-340-620(3)).

5. If the decision package is part of agency request legislation or supports another significant agency action that is required to complete an environmental justice assessment under RCW 70A.02.010(12), please submit the assessment as an attachment in ABS.

   N/A

6. If the decision package is part of agency request legislation or constitutes a significant agency action that is required to complete an environmental justice assessment, please describe how your agency used the environmental justice assessment process to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits. If your agency determined that you were unable to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits, please provide a justification for not doing so.

   N/A

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/5/2024 8:07AM

Project Number: **40000726**
Project Title: **2025-27 Remedial Action Grant Program**

Description

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 4

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request will fund pass-through grants for ready-to-proceed projects for the 2025-27 biennium. RAGs support cleanup at contaminated industrial sites that affect the air, land, and water resources of the state and the continued cleanup of Puget Sound. This grant funding will protect public and environmental health, create jobs, promote economic growth through the redevelopment of contaminated properties, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account and State Building Construction Account)

Project Description

What is the proposed project?

Ecology is requesting $108,231,000 for the Remedial Action Grant (RAG) Program. This program is Ecology's primary tool for helping local governments clean up contaminated sites. The program's purpose is to expedite cleanup and redevelopment of contaminated sites and ease the financial impact of the cleanup on local ratepayers and taxpayers. The funding will supplement local government funding and funding from other sources, including insurance and contribution claims. Cleaning up contaminated sites protects the groundwater that serves over half of the state's population, and it promotes a healthy environment for Washingtonians.

Cleaning up contaminated sites can provide other benefits, including:
- Reusing scarce industrial sites in urban areas
- Expanding local tax bases
- Promoting livable communities
- Promoting local economic redevelopment
- Preserving farmland

Ecology worked with local governments to estimate the 2025-27 local government toxic site cleanup needs. Local governments self-reported an estimated total state share need of over $260 million for the 2025-27 biennium for all three biennially solicited grant types. Ecology will publish the 2024 Model Toxics Control Act (MTCA) Accounts Ten-Year Financing Report in the fall of 2024. The report will provide a long-term view of cleanup needs.

Local governments need financial certainty for cleanup project development to ensure completion of existing projects as envisioned. Funding certainty also ensures new projects can be planned and designed to maximize environmental and public health improvements and economic development opportunities.

Due to limited MTCA Capital Account funds, high level of demand, and required prioritization according to rule, Ecology is only requesting funding for previously funded Oversight Remedial Action Grants for the 2025-27 biennium. By rule, Ecology is required to prioritize previously funded Remedial Action Grants, and we received around $150 million in eligible applications for those grants. The total Oversight Remedial Action Grant need, including new cleanup projects, was over $187 million.

Oversight RAGs (including one extended grant agreement) help pay for local governments to clean up contaminated sites where the work is being conducted under an enforcement order, agreed order, or consent decree issued under MTCA (Chapter 70.105D RCW). Cleanups conducted under an order or decree issued by the Environmental Protection Agency (EPA) under the federal cleanup law are also eligible. For these grants, Ecology normally funds 50% to 75% of the eligible project costs, depending on the economic status of the community.

This request includes Ecology's first Extended Grant Agreement (EGA), which is a subset of Oversight RAGs. EGAs are designed to provide increased financial security to large cleanup construction projects that exceed $20 million of total eligible

Description

cost and span multiple biennia. The EGA requested is for the Weyerhaeuser Mill A Site with the Port of Everett (Cleanup Site ID 2146) in accordance with instruction provided via proviso in section 3082 of the 2021-23 enacted capital budget. The EGA was signed before the 2023-25 biennial budget build and is still active.

Attached is a prioritized list of projects this request will fund. Ecology has reviewed the projects, and they are ready to proceed according to the MTCA regulatory process, which informs project prioritization. Ecology's Toxics Cleanup Program guides all cleanup projects through MTCA's regulatory process and requirements, including those seeking state capital budget funding. MTCA requires all cleanup projects to proceed through the following phases:

1. Assessment: All projects are prioritized based on human health and environmental risks. Cleanup projects address risks from exposure to contaminated soil, groundwater, surface water, sediment, or air. These exposures pose human health risks from contacting contaminated soils, drinking polluted water, consuming fish and shellfish, inhaling toxic vapors, or a combination of the above.

2. Remedial Investigation: Remedial investigations define the nature, extent, and magnitude of contamination on all projects.

3. Feasibility Study: Feasibility studies are conducted on all projects and include alternative analysis, cost-benefit analysis, long-term or life-cycle cost analysis, and cleanup technology preferences.

4. Cleanup Action Plan: Based on the remedial investigation and feasibility study, a cleanup action plan is developed that describes the selected cleanup action, the standards it must meet, monitoring requirements, and schedule—including any time-critical elements.

5. Comment: The public is encouraged to review and comment on the projects' investigations, feasibility studies, and cleanup plans during public comment periods.

6. Cleanup: The design, construction, operations, and monitoring of the cleanup. A cleanup is complete when Ecology determines cleanup standards have been met. This phase includes projects that are ready to proceed, are in construction, have permits or are in the permitting process, where design is complete or underway, or are under contract.

Ecology's scoring and ranking process is as follows:

1. Solicited projects from local governments and jurisdictions for Oversight Remedial Action Grants, Safe Drinking Water Action Grants, and Area-wide Groundwater Investigation Grants. In February of 2024, Ecology opened a statewide project solicitation and notified jurisdictions that might own contaminated sites. We alerted these entities they could be responsible for the investigation and cleanup of those sites and eligible for funding through the RAG Program to help pay for cleanup costs. In the solicitation, Ecology asked local governments to provide sufficient information to help determine project eligibility and funding priority. The information received, both total funding needs and cleanup process information, was "self-reported." This means that, in most cases, documentation supporting their solicitation responses was not required by or provided to Ecology.

2. Reviewed solicitation responses. Ecology staff reviewed the information received from the solicitation and updated any "self-reported" data with more current or additional information Ecology knew about the site. Our staff also provided Ecology-specific information. For example, a component of a project's readiness to proceed is whether Ecology has a cleanup project manager assigned to oversee the cleanup.

After Ecology staff completed their review, Ecology's regional section managers then reviewed funding amounts and sized the requested amounts while considering a project's scope of work and the project's funding needs within the biennium. Due

Description

to the high level of need and limited funding, Ecology subsequently met with several local governments to assess the level of need, readiness to proceed, and ability to spend the funds in a timely fashion. Many projects were reduced by 40% to enable supporting the highest number of projects possible within available funds.

3. Implemented a ranking/prioritization process as published in the 2025-27 Remedial Action Grant Guidance (https://apps.ecology.wa.gov/publications/SummaryPages/2409046.html).

Ecology grouped all projects into three categories according to the funding priorities outlined in rule (WAC 173-322A-210):

a. Oversight RAGs and loans under an existing EGA. For the 2025-27 biennium, Weyerhaeuser Mill A Site with the Port of Everett (Cleanup Site ID 2146) is the only EGA.
b. RAGs and loans for previously funded projects, provided substantial progress has been made. This category includes any ongoing projects that received RAG funding.
c. RAGs and loans for new projects.

The budget request also includes funds for program staff and grant database support.

What opportunity or problem is driving this request?
RAGs are used to help local governments clean up contaminated sites. This protects the groundwater that serves over half the state's population, and it promotes a healthy environment for people who live and work in Washington. Cleaning up contaminated sites can provide other benefits, including reusing scarce industrial sites in urban areas, expanding local tax bases, promoting livable communities, promoting local economic redevelopment, and preserving farmland.

What are the specific benefits of this project?
This request contributes to cleanup progress in Washington, and there will be a direct impact on human health and the environment by fully funding these cleanups. The impacts will be largely felt in areas in or immediately adjacent to Puget Sound. There will also be economic redevelopment benefits because cleanup at a number of these sites is the first step in the redevelopment process.

This is a continuing and well-established program to help local governments. Funding this request will allow Ecology to provide continued and enhanced support to local governments for cleaning up toxics in the environment.

Cleaning up contaminated property is usually integrated with economic redevelopment, habitat restoration, and public recreation projects. Most cleanup projects are the first phase of a larger community or economic redevelopment project where the cleanup site is the focal point of the project.

This request will also provide economic benefits to the state by creating up to 333 jobs during the next four years, based on Office of Financial Management estimates.

What are the effects of non-funding?
The RAG program is integral to helping local governments clean up contaminated sites in their communities. It is a high funding priority in MTCA and is the mechanism for carrying out the provisions of this law. Funding this request will allow the state to meet its statutory obligation to provide continued support to local governments for cleaning up toxics in the environment.

This request will also provide economic benefits to the state by creating up to 333 jobs during the next four years, based on

Project Number: 40000726
Project Title: 2025-27 Remedial Action Grant Program

Description

Office of Financial Management estimates.

The costs of remediating hazardous waste sites are often beyond the financial means of local governments and ratepayers. The RAG program supplements local government funding and funding from other sources to carry out required remedial action. This grant program will continue to benefit local governments statewide if this request is funded.

If this proposal is not funded, the state would not be able to support local governments in meeting their obligations to eliminate toxic threats and protect the people living in their communities.

Why is this the best option or alternative?
One of Ecology's environmental goals is to clean up pollution, and the RAG program is an integral part of cleaning up the most contaminated sites to protect and improve the lives of people and the environment. The RAG program has traditionally received funding out of what is now called the MTCA Capital Account as one of the top priorities under RCW 70A.305.190.

Funding this request with the MTCA Capital Account is the best option because it will continue the cleanup investments that protect human health and natural resources and support economic redevelopment in Washington. However, the MTCA Capital Account does not have sufficient fund balance to support the full RAG list and other cleanup needs. As a result, Ecology is requesting $44,203,000 of this request from MTCA Capital and $64,028,000 from the State Building Construction Account (SBCA).

How will clients be affected and services change if this project is funded?
This request will continue to provide funding to meet local government RAG needs. This funding will help local governments clean up contaminated properties for redevelopment and provide an economic benefit to the community.

Focus on Equity:
Target Populations and Communities
This request improves (benefits) industrial sites across Washington that were contaminated with pollutants from past uses. The communities and people who work or live on or near these sites will benefit from a cleaner environment and decreased health risks. The local governments with jurisdiction over these sites will benefit financially from this request's pass-through funding.

The communities near these contaminated sites are inherently likely overburdened due to their proximity to environmental exposure risks. Additionally, this request highly benefits vulnerable populations through the evaluation criteria for specific projects, which is used to prioritize funded projects. In support of the Healthy Environmental for All (HEAL) Act, RCW 70A.02.080, "Environmental justice obligations of agencies relating to budgets and funding," Ecology weighted criteria connected to equitable distribution as approximately 40% or more of the total score. Criteria included in this category were:

• The Environmental Health Disparities (EHD) Index from the Department of Health's EHD Map. This index considers 19 indicators that include environmental exposures and effects as well as sensitive populations and socioeconomic factors.

• Demographic Index from the Environmental Protection Agency's (EPA) Environmental Justice (EJ) EJScreen. This index is based on the average of two socioeconomic indicators: low income and people of color.

• Supplemental Demographic Index from the EPA's EJScreen. This index is based on the average of five socioeconomic indicators: low income, unemployment, limited English, less than high school education, and low life expectancy (which is a

Description

health dataset).

• Site is in an “economically disadvantaged” city, town, or county as defined in WAC 173- 322A-100(15) and (16). See Economically Disadvantaged Cities, Towns, and Counties in Washington State 2023-25 (https://apps.ecology.wa.gov/publications/SummaryPages/2309045.html). This publication is updated every odd-numbered year.

• Grant would help ensure diverse funding distribution within the state. The area is east of the Cascades.

For a full detail of how RAG applications submitted in the biennial solicitation were ranked and scored, see the published funding guidance for the 2025-27 biennium: Remedial Action Grant and Loan Guidelines for the 2025-27 Biennium: Oversight Remedial Action Grants and Loans, Area-wide Groundwater Investigation Grants, and Safe Drinking Water Action Grants (https://apps.ecology.wa.gov/publications/SummaryPages/2409046.html).

Community Outreach and Engagement
Ecology did not formally consult with Tribes or engage community members in developing this request. However, this request funds cleanup projects that are all subject to the public participation and Tribal engagement requirements in our state’s cleanup rules. Under those rules, Ecology will:

• Provide the public with meaningful opportunities to participate throughout the cleanup process (WAC 173-340-600). When developing public participation plans for cleanups, Ecology will specifically consider the needs of likely vulnerable populations and overburdened communities and the threats posed to such populations (WAC 173-340-600(9)(a) and (b)).

• Ensure effective communication and outreach that address linguistic, cultural, literacy, technology, and accessibility barriers and welcome meaningful participation, when discretion permits, to comply with Title VI nondiscrimination obligations and promote environmental justice best practices for meaningful community engagement.

• Seek meaningful engagement with affected Indian Tribes throughout the cleanup process (WAC 173-340-620). Ecology will develop a Tribal engagement plan to provide Indian Tribes with timely information, effective communication, continuous opportunities for collaboration. and, when necessary, government-to-government consultation, as appropriate for each site (WAC 173-340-620(3)).

• Conduct cultural resource consultations with Indian Tribes according to Governor’s Executive Order 21-02 and WAC 173-340-815 at each appropriate step in the cleanup process to enable Tribes to provide input on the overall design and scope of each project.

Disproportional Impact Considerations
This request will protect the health and environment of likely vulnerable populations and overburdened communities from contamination at cleanup sites across the state. Unless sites such as these are cleaned up, they will continue to pose threats to public health, the environment, groundwater, and fish and wildlife resources.

Protecting vulnerable populations and overburdened communities from disproportionate impacts of the remediation of contaminated sites is integrated into the cleanup process itself. Under our state’s cleanup rules, all funded cleanups within this request must consider:

• Public concerns, including the concerns of likely vulnerable populations and overburdened communities, are identified through the public participation process.

Description

• Indian Tribes' rights and interests identified through the Tribal engagement process.

See WAC 173-340-360(3)(d) and(5)(c)(i)(C). During the cleanup method selection process, Ecology must specifically consider vulnerable populations and overburdened communities, including when evaluating the protectiveness, long-term effectiveness, implementation risks, and restoration time frame of different cleanup alternatives (WAC 173-340-360(4)(c) and (5)(d)).

HEAL Act Agencies Supplemental Questions
See attached.

What is the agency's proposed funding strategy for the project?
Ecology requests a combination of funding from the MTCA Capital Account and SBCA for this grant program. Using MTCA Capital Account funds is consistent with the purposes of MTCA, Chapter 70A.305 RCW and the MTCA Capital Account, RCW 70A.305.190, which establishes that funds in the account must be used for the improvement, rehabilitation, remediation, and cleanup of toxic sites. To do this work, a tax is assessed on hazardous materials, including petroleum products, pesticides, and some chemicals.

However, because the MTCA Capital Account does not have sufficient fund balance to support the full RAG list along with other cleanup needs being requested, Ecology is requesting $44,203,000 of this request from MTCA Capital and $64,028,000 from the State Building Construction Account (SBCA).

In even-numbered years, Ecology is required to provide the Legislature with a comprehensive report, the Model Toxics Control Act Capital Account Ten-Year Financing Report. Ecology produces this report in coordination with local governments that have cleanup responsibilities and entities developing affordable housing. The report identifies the projected financial needs to clean up contaminated sites that are eligible for funding from the MTCA Capital Account and describes how we plan to spend funds to clean up sites in the upcoming biennium and the next ten years. The 2022 report is available here: https://apps.ecology.wa.gov/publications/SummaryPages/2209080.html.

Its companion report, the Model Toxics Control Accounts Biennial Report of Expenditures, describes how cleanup funds were spent over the previous biennium. Ecology produces this report in odd-numbered years. The 2021-23 biennial report is available here: https://apps.ecology.wa.gov/publications/SummaryPages/2309060.html.

This request includes $120,000 to set up and maintain the applications in the agency's grant and loan system.

Are FTEs required to support this project?
This request requires a total of 5.18 FTEs dedicated to grant management, policy analysis and development, cash management, and capital budget coordination for Ecology. This staffing level is consistent with our 2023-25 capital project request. This core work assures prudent oversight and careful financial management of state funds. The grant managers also provide technical expertise to program development and policy work and to agencywide projects. This includes their input and review of policy documents and helping manage Ecology's grant and loan system.

Please note that all FTEs support this new appropriation and other related reappropriation projects under this capital program.

Project Number: 40000726
Project Title: 2025-27 Remedial Action Grant Program

Description

How does the project support the agency and statewide results?
This request is essential to achieving the Governor's Results Washington Goal 3: Sustainable Energy and a Clean Environment and Ecology's Goal 3: Prevent and reduce waste, toxic threats, and pollution. Funding will support the cleanup of contaminated sites to protect human health and the environment. RAGs support cleanup at contaminated industrial sites that affect the air, land, and water resources of the state and the continued cleanup of Puget Sound. This request also helps ensure this element of Ecology's strategic plan achieves statewide implementation.

This request is also essential to achieving the Governor's Results Washington Goal 2: Prosperous Economy. This funding will help local governments clean up contaminated properties for redevelopment and provide an economic benefit to the community. It will create and support jobs and make it possible to redevelop previously contaminated land to support economic growth in communities.

Puget Sound recovery
This request supports the 2022-2026 Puget Sound Action Agenda implementation through Ongoing Program OGP_ECY20 Toxic Cleanup Program, cleaning up priority bays in Puget Sound, and through the following Vital Signs, Strategies, Desired Outcomes, and Actions:

Vital Signs
- Marine Water
- Toxics in Aquatic Life

Strategies
- 10. Stormwater Runoff and Legacy Contamination: Manage stormwater runoff and legacy contamination using a comprehensive approach at the site and landscape scales that improves water quality and enhances green space.

Desired Outcomes and Actions
- 2.1.1. Toxic hotspots where stormwater runoff or wastewater contain significant concentrations of numerous toxic chemicals reduced through improved source control and/or treatment.

- 2.1.4 Toxics in infrastructure and building materials removed through source control and/or management/remediation.

- Action 33. Incentivize redevelopment in areas associated with high loads of toxic chemicals.

- Action 41. Find and fix toxic hotspots.

This request also supports Orca Task Force Recommendation 31. Reduce stormwater threats and accelerate clean-up of toxics harmful to orcas.

How will the other state programs or units of government be affected if this project is funded?
This request will continue to provide funding to meet local government RAG needs. This funding will help local governments clean up the contaminated properties for redevelopment and provide an economic benefit to the community.

The costs of remediating hazardous waste sites are often beyond the financial means of local governments and ratepayers. The RAG program supplements local government funding and funding from other sources to carry out required remedial action. This grant program will continue to benefit local governments statewide if funded.

Location
City: Statewide **County:** Statewide **Legislative District:** 098

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Project Number: 40000726
Project Title: 2025-27 Remedial Action Grant Program

Description

Project Type
Grants

Grant Recipient Organization: Multiple Local Governments

RCW that establishes grant: N/A

Application process used
Project solicitation. (1) Biennially, Ecology will solicit project proposals from local governments to develop its budget and update the MTCA Ten-Year Financing Plan for the RAG program. (2) Legislative Action. Projects are ranked and included in Ecology's budget for legislative action. (3) Finalize application. Once the budget is passed by the Legislature, recipients are notified and required to work with Ecology to complete any additional application information and submit the information on electronic forms provided by Ecology. For multi-biennial oversight RAG projects, an application must be submitted before each biennium for which additional funds are requested. (4) Agreement development. Ecology uses the information in the application to negotiate with the applicant on the final scope of work and budget for the grant and develop the agreement. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts
Supports redevelopment of brownfield properties in urban areas.

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	64,028,000				64,028,000
23N-1	MTC Capital Account-State	333,091,000				44,203,000
	Total	**397,119,000**	**0**	**0**	**0**	**108,231,000**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
23N-1	MTC Capital Account-State	72,222,000	72,222,000	72,222,000	72,222,000
	Total	**72,222,000**	**72,222,000**	**72,222,000**	**72,222,000**

Operating Impacts

No Operating Impact

SubProjects

SubProject Number: 40000727
SubProject Title: Weyerhaeuser Mill A

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Report Number: CBS002
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Project Number: 40000726
Project Title: 2025-27 Remedial Action Grant Program

SubProjects

SubProject Number: 40000727
SubProject Title: Weyerhaeuser Mill A

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 4

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request will fund pass-through grants for ready-to-proceed projects for the 2025-27 biennium. RAGs support cleanup at contaminated industrial sites that affect the air, land, and water resources of the state and the continued cleanup of Puget Sound. This grant funding will protect public and environmental health, create jobs, promote economic growth through the redevelopment of contaminated properties, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account and State Building Construction Account).

Project Description

This is a large dredge project that will span several biennia and is supported by an Extended Grant Agreement. The cleanup construction for the in-water portion of the site should commence in 2026 and will consist of four to six in-water work windows. The agreed order was amended in June 2024 for an interim action and to support ongoing design as the project continues to move forward.

Location

City: Everett **County:** Snohomish **Legislative District:** 038

Project Type

Grants

Grant Recipient Organization: Multiple Local Governments
RCW that establishes grant: N/A

Application process used

Project solicitation. (1) Biennially, Ecology will solicit project proposals from local governments to develop its budget and update the MTCA Ten-Year Financing Plan for the RAG program. (2) Legislative Action. Projects are ranked and included in Ecology's budget for legislative action. (3) Finalize application. Once the budget is passed by the Legislature, recipients are notified and required to work with Ecology to complete any additional application information and submit the information on electronic forms provided by Ecology. For multi-biennial oversight RAG projects, an application must be submitted before each biennium for which additional funds are requested. (4) Agreement development. Ecology uses the information in the application to negotiate with the applicant on the final scope of work and budget for the grant and develop the agreement. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

Supports redevelopment of brownfield properties in urban areas.

Funding

		Expenditures			2025-27 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
23N-1	MTC Capital Account-State	20,000,000				20,000,000
	Total	**20,000,000**	**0**	**0**	**0**	**20,000,000**

Project Number: 40000726
Project Title: 2025-27 Remedial Action Grant Program

SubProjects

SubProject Number: 40000727
SubProject Title: Weyerhaeuser Mill A

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000728
SubProject Title: LDW Superfund Site Remedial Action

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 4

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request will fund pass-through grants for ready-to-proceed projects for the 2025-27 biennium. RAGs support cleanup at contaminated industrial sites that affect the air, land, and water resources of the state and the continued cleanup of Puget Sound. This grant funding will protect public and environmental health, create jobs, promote economic growth through the redevelopment of contaminated properties, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account and State Building Construction Account).

Project Description

This project supports the costs for King County as a Potentially Liable Party (PLP) at the site. The Lower Duwamish Waterway (LDW) is a Superfund site that includes approximately five miles of heavily contaminated waterway extending upstream from the southern tip of Harbor Island in Seattle. The Lower Duwamish Waterway Group (LWDG) partners have completed the engineering design for the Cleanup Action for the Upper Reach of the LDW (approximately 2 miles), with cleanup anticipated to begin in fall 2024. Funds will also be used to conduct remaining pre-design sampling as well as engineering design for the Middle Reach, with the engineering design for the Cleanup Action expected to be completed in 2026. The Lower Reach of the waterway will be designed in subsequent biennia. Cleanup of the LDW will help protect human health, sensitive estuarine habitats, and aquatic species that depend on these habitats.

Location

City: Seattle **County:** King **Legislative District:** 034

Project Type

Grants

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Report Number: CBS002
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Project Number: 40000726
Project Title: 2025-27 Remedial Action Grant Program

SubProjects

SubProject Number: 40000728
SubProject Title: LDW Superfund Site Remedial Action

Grant Recipient Organization: Multiple Local Governments

RCW that establishes grant: N/A

Application process used

Project solicitation. (1) Biennially, Ecology will solicit project proposals from local governments to develop its budget and update the MTCA Ten-Year Financing Plan for the RAG program. (2) Legislative Action. Projects are ranked and included in Ecology's budget for legislative action. (3) Finalize application. Once the budget is passed by the Legislature, recipients are notified and required to work with Ecology to complete any additional application information and submit the information on electronic forms provided by Ecology. For multi-biennial oversight RAG projects, an application must be submitted before each biennium for which additional funds are requested. (4) Agreement development. Ecology uses the information in the application to negotiate with the applicant on the final scope of work and budget for the grant and develop the agreement. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

Supports redevelopment of brownfield properties in urban areas.

Funding

		Expenditures			2025-27 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
23N-1	MTC Capital Account-State	2,622,000				2,622,000
	Total	**2,622,000**	**0**	**0**	**0**	**2,622,000**

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000729
SubProject Title: LDW Superfund Site Remedial Action

Project Number: **40000726**
Project Title: **2025-27 Remedial Action Grant Program**

SubProjects

SubProject Number: **40000729**
SubProject Title: **LDW Superfund Site Remedial Action**

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 4

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request will fund pass-through grants for ready-to-proceed projects for the 2025-27 biennium. RAGs support cleanup at contaminated industrial sites that affect the air, land, and water resources of the state and the continued cleanup of Puget Sound. This grant funding will protect public and environmental health, create jobs, promote economic growth through the redevelopment of contaminated properties, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account and State Building Construction Account).

Project Description

This project supports the costs for Seattle Public Utility as a Potentially Liable Party (PLP) at the site. The Lower Duwamish Waterway (LDW) is a Superfund site that includes approximately five miles of heavily contaminated waterway extending upstream from the southern tip of Harbor Island in Seattle. The Lower Duwamish Waterway Group (LWDG) partners have completed the engineering design for the Cleanup Action for the Upper Reach of the LDW (approximately 2 miles), with cleanup anticipated to begin in fall 2024. Funds will also be used to conduct remaining pre-design sampling as well as engineering design for the Middle Reach, with the engineering design for the Cleanup Action expected to be completed in 2026. The Lower Reach of the waterway will be designed in subsequent biennia. Cleanup of the LDW will help protect human health, sensitive estuarine habitats, and aquatic species that depend on these habitats.

Location

City: Seattle **County:** King **Legislative District:** 034

Project Type

Grants

Grant Recipient Organization: Multiple Local Governments
RCW that establishes grant: N/A

Application process used

Project solicitation. (1) Biennially, Ecology will solicit project proposals from local governments to develop its budget and update the MTCA Ten-Year Financing Plan for the RAG program. (2) Legislative Action. Projects are ranked and included in Ecology's budget for legislative action. (3) Finalize application. Once the budget is passed by the Legislature, recipients are notified and required to work with Ecology to complete any additional application information and submit the information on electronic forms provided by Ecology. For multi-biennial oversight RAG projects, an application must be submitted before each biennium for which additional funds are requested. (4) Agreement development. Ecology uses the information in the application to negotiate with the applicant on the final scope of work and budget for the grant and develop the agreement. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

Supports redevelopment of brownfield properties in urban areas.

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Project Number: 40000726
Project Title: 2025-27 Remedial Action Grant Program

SubProjects

SubProject Number: 40000729
SubProject Title: LDW Superfund Site Remedial Action

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
23N-1	MTC Capital Account-State	5,700,000				5,700,000
	Total	**5,700,000**	**0**	**0**	**0**	**5,700,000**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000730
SubProject Title: Lower Duwamish Superfund Site Remedial Action

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 4

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request will fund pass-through grants for ready-to-proceed projects for the 2025-27 biennium. RAGs support cleanup at contaminated industrial sites that affect the air, land, and water resources of the state and the continued cleanup of Puget Sound. This grant funding will protect public and environmental health, create jobs, promote economic growth through the redevelopment of contaminated properties, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account and State Building Construction Account).

Project Description

This project supports the costs for Seattle City Light as a Potentially Liable Party (PLP) at the site. The Lower Duwamish Waterway (LDW) is a Superfund site that includes approximately five miles of heavily contaminated waterway extending upstream from the southern tip of Harbor Island in Seattle. The Lower Duwamish Waterway Group (LWDG) partners have completed the engineering design for the Cleanup Action for the Upper Reach of the LDW (approximately 2 miles), with cleanup anticipated to begin in fall 2024. Funds will also be used to conduct remaining pre-design sampling as well as engineering design for the Middle Reach, with the engineering design for the Cleanup Action expected to be completed in 2026. The Lower Reach of the waterway will be designed in subsequent biennia. Cleanup of the LDW will help protect human health, sensitive estuarine habitats, and aquatic species that depend on these habitats.

Location

City: Seattle **County:** King **Legislative District:** 034

Project Number: 40000726
Project Title: 2025-27 Remedial Action Grant Program

SubProjects

Project Type

SubProject Number: 40000730
SubProject Title: Lower Duwamish Superfund Site Remedial Action

Project Type
Grants

Grant Recipient Organization: Multiple Local Governments
RCW that establishes grant: N/A
Application process used
Project solicitation. (1) Biennially, Ecology will solicit project proposals from local governments to develop its budget and update the MTCA Ten-Year Financing Plan for the RAG program. (2) Legislative Action. Projects are ranked and included in Ecology's budget for legislative action. (3) Finalize application. Once the budget is passed by the Legislature, recipients are notified and required to work with Ecology to complete any additional application information and submit the information on electronic forms provided by Ecology. For multi-biennial oversight RAG projects, an application must be submitted before each biennium for which additional funds are requested. (4) Agreement development. Ecology uses the information in the application to negotiate with the applicant on the final scope of work and budget for the grant and develop the agreement. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts
Supports redevelopment of brownfield properties in urban areas.

Funding

		Expenditures			2025-27 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
23N-1	MTC Capital Account-State	1,429,000				1,429,000
	Total	**1,429,000**	**0**	**0**	**0**	**1,429,000**

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000731
SubProject Title: Arkema Manufacturing

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Project Number: 40000726
Project Title: 2025-27 Remedial Action Grant Program

SubProjects

SubProject Number: 40000731
SubProject Title: Arkema Manufacturing

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 4

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request will fund pass-through grants for ready-to-proceed projects for the 2025-27 biennium. RAGs support cleanup at contaminated industrial sites that affect the air, land, and water resources of the state and the continued cleanup of Puget Sound. This grant funding will protect public and environmental health, create jobs, promote economic growth through the redevelopment of contaminated properties, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account and State Building Construction Account).

Project Description

This grant supports compliance with Agreed Order DE-5668. The Agreed order includes completion of remedial investigation, feasibility study, and completion of the Cleanup Action Plan at the Arkema/Dunlap Mound Site. The site is currently planning for an interim action. The first phase of the interim action would include the construction of a slurry wall and capping of 12.6 acres. Requested funding would support this interim action cleanup construction that is hoping to go for bid in summer of 2025.

Location

City: Tacoma **County:** Pierce **Legislative District:** 027

Project Type

Grants

Grant Recipient Organization: Multiple Local Governments
RCW that establishes grant: N/A
Application process used

Project solicitation. (1) Biennially, Ecology will solicit project proposals from local governments to develop its budget and update the MTCA Ten-Year Financing Plan for the RAG program. (2) Legislative Action. Projects are ranked and included in Ecology's budget for legislative action. (3) Finalize application. Once the budget is passed by the Legislature, recipients are notified and required to work with Ecology to complete any additional application information and submit the information on electronic forms provided by Ecology. For multi-biennial oversight RAG projects, an application must be submitted before each biennium for which additional funds are requested. (4) Agreement development. Ecology uses the information in the application to negotiate with the applicant on the final scope of work and budget for the grant and develop the agreement. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

Supports redevelopment of brownfield properties in urban areas.

Funding

Acct Code	Account Title	Expenditures: Estimated Total	Expenditures: Prior Biennium	Expenditures: Current Biennium	2025-27 Fiscal Period: Reapprops	2025-27 Fiscal Period: New Approps
23N-1	MTC Capital Account-State	3,000,000				3,000,000
	Total	**3,000,000**	**0**	**0**	**0**	**3,000,000**

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Project Number: 40000726
Project Title: 2025-27 Remedial Action Grant Program

SubProjects

SubProject Number: 40000731
SubProject Title: Arkema Manufacturing

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000732
SubProject Title: Whatcom Waterway

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 4

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request will fund pass-through grants for ready-to-proceed projects for the 2025-27 biennium. RAGs support cleanup at contaminated industrial sites that affect the air, land, and water resources of the state and the continued cleanup of Puget Sound. This grant funding will protect public and environmental health, create jobs, promote economic growth through the redevelopment of contaminated properties, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account and State Building Construction Account).

Project Description

The Whatcom Waterway Site is located within Bellingham Bay. The Site is more than 200 acres in size and includes work in the waterway and a former industrial waste treatment lagoon. Separated into multiple phases, this second phase of work includes finalizing the engineering design, permitting, and implementing the cleanup action in accordance with the consent decree. Engineering phase work is underway with cleanup construction expected to begin during the 2025-27 biennium.

Location

City: Bellingham **County:** Whatcom **Legislative District:** 042

Project Type

Grants

Project Number: 40000726
Project Title: 2025-27 Remedial Action Grant Program

SubProjects

SubProject Number: 40000732
SubProject Title: Whatcom Waterway

Grant Recipient Organization: Multiple Local Governments

RCW that establishes grant: N/A

Application process used

Project solicitation. (1) Biennially, Ecology will solicit project proposals from local governments to develop its budget and update the MTCA Ten-Year Financing Plan for the RAG program. (2) Legislative Action. Projects are ranked and included in Ecology's budget for legislative action. (3) Finalize application. Once the budget is passed by the Legislature, recipients are notified and required to work with Ecology to complete any additional application information and submit the information on electronic forms provided by Ecology. For multi-biennial oversight RAG projects, an application must be submitted before each biennium for which additional funds are requested. (4) Agreement development. Ecology uses the information in the application to negotiate with the applicant on the final scope of work and budget for the grant and develop the agreement. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

Supports redevelopment of brownfield properties in urban areas.

Funding

		Expenditures			2025-27 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	27,926,000				27,926,000
	Total	**27,926,000**	**0**	**0**	**0**	**27,926,000**

Funding

		Expenditures			2025-27 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
23N-1	MTC Capital Account-State	11,452,000				11,452,000
	Total	**11,452,000**	**0**	**0**	**0**	**11,452,000**

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

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Report Number: CBS002
Date Run: 9/5/2024 8:07AM

Project Number: 40000726
Project Title: 2025-27 Remedial Action Grant Program

SubProjects

SubProject Number: 40000733
SubProject Title: Albert Jensen & Sons Inc.

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 4

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request will fund pass-through grants for ready-to-proceed projects for the 2025-27 biennium. RAGs support cleanup at contaminated industrial sites that affect the air, land, and water resources of the state and the continued cleanup of Puget Sound. This grant funding will protect public and environmental health, create jobs, promote economic growth through the redevelopment of contaminated properties, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account and State Building Construction Account).

Project Description

The Albert Jensen & Sons Inc. site was developed in 1910 into a shipyard and is still used as a boat maintenance facility and shipyard. Recent sampling identified contaminants including Tributyltin, PCBs, dioxins/furans, phthalates, organic chemicals, pesticides, polyaromatic hydrocarbons, and metals. The grant funding will go towards evaluating and integrating existing upland and in-water data, completing a cultural resources survey, performing a Remedial Investigation/Feasibility Study, preparing a Draft Cleanup Action Plan, completing work plans, engineering design, permitting and completion of interim action(s), and preparing for remedy implementation and long-term monitoring in subsequent biennia.

Location

City: Friday Harbor **County:** San Juan **Legislative District:** 040

Project Type

Grants

Grant Recipient Organization: Multiple Local Governments
RCW that establishes grant: N/A

Application process used

Project solicitation. (1) Biennially, Ecology will solicit project proposals from local governments to develop its budget and update the MTCA Ten-Year Financing Plan for the RAG program. (2) Legislative Action. Projects are ranked and included in Ecology's budget for legislative action. (3) Finalize application. Once the budget is passed by the Legislature, recipients are notified and required to work with Ecology to complete any additional application information and submit the information on electronic forms provided by Ecology. For multi-biennial oversight RAG projects, an application must be submitted before each biennium for which additional funds are requested. (4) Agreement development. Ecology uses the information in the application to negotiate with the applicant on the final scope of work and budget for the grant and develop the agreement. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

Supports redevelopment of brownfield properties in urban areas.

Project Number: 40000726
Project Title: 2025-27 Remedial Action Grant Program

SubProjects

SubProject Number: 40000733
SubProject Title: Albert Jensen & Sons Inc.

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	743,000				743,000
	Total	**743,000**	**0**	**0**	**0**	**743,000**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000734
SubProject Title: Cornwall Avenue Landfill

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 4

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request will fund pass-through grants for ready-to-proceed projects for the 2025-27 biennium. RAGs support cleanup at contaminated industrial sites that affect the air, land, and water resources of the state and the continued cleanup of Puget Sound. This grant funding will protect public and environmental health, create jobs, promote economic growth through the redevelopment of contaminated properties, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account and State Building Construction Account).

Project Description

The Albert Jensen & Sons Inc. site was developed in 1910 into a shipyard and is still used as a boat maintenance facility and shipyard. Recent sampling identified contaminants including Tributyltin, PCBs, dioxins/furans, phthalates, organic chemicals, pesticides, polyaromatic hydrocarbons, and metals. The grant funding will go towards evaluating and integrating existing upland and in-water data, completing a cultural resources survey, performing a Remedial Investigation/Feasibility Study, preparing a Draft Cleanup Action Plan, completing work plans, engineering design, permitting and completion of interim action(s), and preparing for remedy implementation and long-term monitoring in subsequent biennia.

Location

City: Bellingham **County:** Whatcom **Legislative District:** 042

Project Type

Project Number: 40000726
Project Title: 2025-27 Remedial Action Grant Program

SubProjects

Project Type

SubProject Number: 40000734
SubProject Title: Cornwall Avenue Landfill
Grants

Grant Recipient Organization: Multiple Local Governments
RCW that establishes grant: N/A
Application process used
Project solicitation. (1) Biennially, Ecology will solicit project proposals from local governments to develop its budget and update the MTCA Ten-Year Financing Plan for the RAG program. (2) Legislative Action. Projects are ranked and included in Ecology's budget for legislative action. (3) Finalize application. Once the budget is passed by the Legislature, recipients are notified and required to work with Ecology to complete any additional application information and submit the information on electronic forms provided by Ecology. For multi-biennial oversight RAG projects, an application must be submitted before each biennium for which additional funds are requested. (4) Agreement development. Ecology uses the information in the application to negotiate with the applicant on the final scope of work and budget for the grant and develop the agreement. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts
Supports redevelopment of brownfield properties in urban areas.

Funding

Acct Code	Account Title	Expenditures: Estimated Total	Expenditures: Prior Biennium	Expenditures: Current Biennium	2025-27 Fiscal Period: Reapprops	2025-27 Fiscal Period: New Approps
057-1	State Bldg Constr-State	2,738,000				2,738,000
	Total	**2,738,000**	**0**	**0**	**0**	**2,738,000**

Acct Code	Account Title	Future Fiscal Periods: 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000735
SubProject Title: Budd Inlet Sediment Site

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/5/2024 8:07AM

Project Number: 40000726
Project Title: 2025-27 Remedial Action Grant Program

SubProjects

SubProject Number: 40000735
SubProject Title: Budd Inlet Sediment Site

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 4

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request will fund pass-through grants for ready-to-proceed projects for the 2025-27 biennium. RAGs support cleanup at contaminated industrial sites that affect the air, land, and water resources of the state and the continued cleanup of Puget Sound. This grant funding will protect public and environmental health, create jobs, promote economic growth through the redevelopment of contaminated properties, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account and State Building Construction Account).

Project Description

The Cornwall Avenue Landfill Site is located in Bellingham along the waterfront. The Site resulted from the historical disposal of refuse and wood waste. Engineering design phase work has been completed and the consent decree for construction executed. The project is scheduled to begin cleanup construction in 2025 pending the federal JARPA permit.

Location

City: Olympia **County:** Thurston **Legislative District:** 022

Project Type

Grants

Grant Recipient Organization: Multiple Local Governments
RCW that establishes grant: N/A
Application process used

Project solicitation. (1) Biennially, Ecology will solicit project proposals from local governments to develop its budget and update the MTCA Ten-Year Financing Plan for the RAG program. (2) Legislative Action. Projects are ranked and included in Ecology's budget for legislative action. (3) Finalize application. Once the budget is passed by the Legislature, recipients are notified and required to work with Ecology to complete any additional application information and submit the information on electronic forms provided by Ecology. For multi-biennial oversight RAG projects, an application must be submitted before each biennium for which additional funds are requested. (4) Agreement development. Ecology uses the information in the application to negotiate with the applicant on the final scope of work and budget for the grant and develop the agreement. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

Supports redevelopment of brownfield properties in urban areas.

Funding		Expenditures			2025-27 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	1,140,000				1,140,000
	Total	**1,140,000**	**0**	**0**	**0**	**1,140,000**

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/5/2024 8:07AM

Project Number: 40000726
Project Title: 2025-27 Remedial Action Grant Program

SubProjects

SubProject Number: 40000735
SubProject Title: Budd Inlet Sediment Site

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000736
SubProject Title: Ephrata Landfill

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 4

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request will fund pass-through grants for ready-to-proceed projects for the 2025-27 biennium. RAGs support cleanup at contaminated industrial sites that affect the air, land, and water resources of the state and the continued cleanup of Puget Sound. This grant funding will protect public and environmental health, create jobs, promote economic growth through the redevelopment of contaminated properties, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account and State Building Construction Account).

Project Description

The City of Ephrata began operating the Grant County Ephrata Landfill 1 a.k.a. Ephrata Landfill (CSID1692) located at 3803 Neva Lake Rd NW Ephrata, WA 98823 in 1942 and owned and operated it until 1974 that was subsequently leased to the Grant County. Both entities are working to complete the remedial investigation and a feasibility study under Agreed Order DE 3810 . A Cleanup Action Plan (CAP) will be implemented through a Consent Decree.

Location

City: Ephrata **County:** Grant **Legislative District:** 013

Project Type

Grants

Project Number: 40000726
Project Title: 2025-27 Remedial Action Grant Program

SubProjects

SubProject Number: 40000736
SubProject Title: Ephrata Landfill

Grant Recipient Organization: Multiple Local Governments

RCW that establishes grant: N/A

Application process used

Project solicitation. (1) Biennially, Ecology will solicit project proposals from local governments to develop its budget and update the MTCA Ten-Year Financing Plan for the RAG program. (2) Legislative Action. Projects are ranked and included in Ecology's budget for legislative action. (3) Finalize application. Once the budget is passed by the Legislature, recipients are notified and required to work with Ecology to complete any additional application information and submit the information on electronic forms provided by Ecology. For multi-biennial oversight RAG projects, an application must be submitted before each biennium for which additional funds are requested. (4) Agreement development. Ecology uses the information in the application to negotiate with the applicant on the final scope of work and budget for the grant and develop the agreement. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

Supports redevelopment of brownfield properties in urban areas.

Funding

		Expenditures			2025-27 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	3,833,000				3,833,000
	Total	**3,833,000**	**0**	**0**	**0**	**3,833,000**

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000737
SubProject Title: Colbert Landfill

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/5/2024 8:07AM

Project Number: 40000726
Project Title: 2025-27 Remedial Action Grant Program

SubProjects

SubProject Number: 40000737
SubProject Title: Colbert Landfill

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 4

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request will fund pass-through grants for ready-to-proceed projects for the 2025-27 biennium. RAGs support cleanup at contaminated industrial sites that affect the air, land, and water resources of the state and the continued cleanup of Puget Sound. This grant funding will protect public and environmental health, create jobs, promote economic growth through the redevelopment of contaminated properties, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account and State Building Construction Account).

Project Description

This project will allow Spokane County to update and optimize the Conceptual Site Model (CSM) for the Colbert Landfill. Updating and optimizing the CSM will provide the necessary data and tools for Spokane County personnel to determine the feasibility of remedial options at the Colbert Landfill to determine the best remedial option(s) as the original remedy outlined in the CAP has not maintained cleanup levels at the conditional point of compliance.

Location

City: Spokane **County:** Spokane **Legislative District:** 004

Project Type

Grants

Grant Recipient Organization: Multiple Local Governments
RCW that establishes grant: N/A

Application process used

Project solicitation. (1) Biennially, Ecology will solicit project proposals from local governments to develop its budget and update the MTCA Ten-Year Financing Plan for the RAG program. (2) Legislative Action. Projects are ranked and included in Ecology's budget for legislative action. (3) Finalize application. Once the budget is passed by the Legislature, recipients are notified and required to work with Ecology to complete any additional application information and submit the information on electronic forms provided by Ecology. For multi-biennial oversight RAG projects, an application must be submitted before each biennium for which additional funds are requested. (4) Agreement development. Ecology uses the information in the application to negotiate with the applicant on the final scope of work and budget for the grant and develop the agreement. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

Supports redevelopment of brownfield properties in urban areas.

Funding		Expenditures			2025-27 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	114,000				114,000
	Total	**114,000**	**0**	**0**	**0**	**114,000**

Project Number: 40000726
Project Title: 2025-27 Remedial Action Grant Program

SubProjects

SubProject Number: 40000737
SubProject Title: Colbert Landfill

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000738
SubProject Title: I & J Waterway (Sediment Cleanup Unit - 1)

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 4

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request will fund pass-through grants for ready-to-proceed projects for the 2025-27 biennium. RAGs support cleanup at contaminated industrial sites that affect the air, land, and water resources of the state and the continued cleanup of Puget Sound. This grant funding will protect public and environmental health, create jobs, promote economic growth through the redevelopment of contaminated properties, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account and State Building Construction Account).

Project Description

The I&J Waterway Site is located in Bellingham Bay and resulted from industrial activities. This grant funds remedial actions for the Sediment Cleanup Unit 1 (SCU-1) portion of the I&J Waterway Site. This includes cleanup construction bid activities and construction of the cleanup action as required under the consent decree filed in November 2023. Cleanup construction began in July 2024 and will continue through 2025. This funding will provide critical funding for continued cleanup construction.

Location

City: Bellingham **County:** Whatcom **Legislative District:** 042

Project Type

Grants

Project Number: 40000726
Project Title: 2025-27 Remedial Action Grant Program

SubProjects

SubProject Number: 40000738
SubProject Title: I & J Waterway (Sediment Cleanup Unit - 1)

Grant Recipient Organization: Multiple Local Governments

RCW that establishes grant: N/A

Application process used

Project solicitation. (1) Biennially, Ecology will solicit project proposals from local governments to develop its budget and update the MTCA Ten-Year Financing Plan for the RAG program. (2) Legislative Action. Projects are ranked and included in Ecology's budget for legislative action. (3) Finalize application. Once the budget is passed by the Legislature, recipients are notified and required to work with Ecology to complete any additional application information and submit the information on electronic forms provided by Ecology. For multi-biennial oversight RAG projects, an application must be submitted before each biennium for which additional funds are requested. (4) Agreement development. Ecology uses the information in the application to negotiate with the applicant on the final scope of work and budget for the grant and develop the agreement. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

Supports redevelopment of brownfield properties in urban areas.

Funding

		Expenditures			2025-27 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	2,425,000				2,425,000
	Total	**2,425,000**	**0**	**0**	**0**	**2,425,000**

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000739
SubProject Title: R.G. Haley International Corporation Site

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/5/2024 8:07AM

Project Number: 40000726
Project Title: 2025-27 Remedial Action Grant Program

SubProjects

SubProject Number: 40000739
SubProject Title: R.G. Haley International Corporation Site

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 4

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request will fund pass-through grants for ready-to-proceed projects for the 2025-27 biennium. RAGs support cleanup at contaminated industrial sites that affect the air, land, and water resources of the state and the continued cleanup of Puget Sound. This grant funding will protect public and environmental health, create jobs, promote economic growth through the redevelopment of contaminated properties, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account and State Building Construction Account).

Project Description

The R.G. Haley International Corporation Site is located in Bellingham. The Site resulted from historical industrial activities associated with lumber, coal, and wharf operations that impacted approximately 6 acres of upland property and 1.25 acres of aquatic land. An engineering design report was finalized in May 2022. Cleanup construction is expected to begin in 2025.

Location

City: Bellingham **County:** Whatcom **Legislative District:** 042

Project Type

Grants

Grant Recipient Organization: Multiple Local Governments
RCW that establishes grant: N/A
Application process used

Project solicitation. (1) Biennially, Ecology will solicit project proposals from local governments to develop its budget and update the MTCA Ten-Year Financing Plan for the RAG program. (2) Legislative Action. Projects are ranked and included in Ecology's budget for legislative action. (3) Finalize application. Once the budget is passed by the Legislature, recipients are notified and required to work with Ecology to complete any additional application information and submit the information on electronic forms provided by Ecology. For multi-biennial oversight RAG projects, an application must be submitted before each biennium for which additional funds are requested. (4) Agreement development. Ecology uses the information in the application to negotiate with the applicant on the final scope of work and budget for the grant and develop the agreement. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

Supports redevelopment of brownfield properties in urban areas.

Funding		Expenditures			2025-27 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	3,028,000				3,028,000
	Total	**3,028,000**	**0**	**0**	**0**	**3,028,000**

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/5/2024 8:07AM

Project Number: 40000726
Project Title: 2025-27 Remedial Action Grant Program

SubProjects

SubProject Number: 40000739
SubProject Title: R.G. Haley International Corporation Site

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000740
SubProject Title: South State Street Manufactured Gas Plant Cleanup

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 4

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request will fund pass-through grants for ready-to-proceed projects for the 2025-27 biennium. RAGs support cleanup at contaminated industrial sites that affect the air, land, and water resources of the state and the continued cleanup of Puget Sound. This grant funding will protect public and environmental health, create jobs, promote economic growth through the redevelopment of contaminated properties, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account and State Building Construction Account).

Project Description

The South State Street Manufactured Gas Plant (MGP) is located on a portion of what is now Boulevard Park on the eastern shore of Bellingham Bay. The Site is divided into an upland unit and a marine unit, separated by the ordinary high-water mark. Historical MGP operations resulted in contamination of soil, groundwater, and sediment. A cleanup action plan was finalized in August 2020 and a pre-remedial design investigation data report was finalized in June 2023. A draft engineering design report was completed in July 2024 and will be used to prepare plans and specifications for the proposed cleanup of the Site. The project is hoping to go to construction in the 2025-27 biennium.

Location

City: Bellingham **County:** Whatcom **Legislative District:** 040

Project Type

Grants

Project Number: 40000726
Project Title: 2025-27 Remedial Action Grant Program

SubProjects

SubProject Number: 40000740
SubProject Title: South State Street Manufactured Gas Plant Cleanup

Grant Recipient Organization: Multiple Local Governments

RCW that establishes grant: N/A

Application process used

Project solicitation. (1) Biennially, Ecology will solicit project proposals from local governments to develop its budget and update the MTCA Ten-Year Financing Plan for the RAG program. (2) Legislative Action. Projects are ranked and included in Ecology's budget for legislative action. (3) Finalize application. Once the budget is passed by the Legislature, recipients are notified and required to work with Ecology to complete any additional application information and submit the information on electronic forms provided by Ecology. For multi-biennial oversight RAG projects, an application must be submitted before each biennium for which additional funds are requested. (4) Agreement development. Ecology uses the information in the application to negotiate with the applicant on the final scope of work and budget for the grant and develop the agreement. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

Supports redevelopment of brownfield properties in urban areas.

Funding

		Expenditures			2025-27 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	5,165,000				5,165,000
	Total	**5,165,000**	**0**	**0**	**0**	**5,165,000**

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000741
SubProject Title: GP West (Chlor-Alkali RAU)

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/5/2024 8:07AM

Project Number: 40000726
Project Title: 2025-27 Remedial Action Grant Program

SubProjects

SubProject Number: 40000741
SubProject Title: GP West (Chlor-Alkali RAU)

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 4

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request will fund pass-through grants for ready-to-proceed projects for the 2025-27 biennium. RAGs support cleanup at contaminated industrial sites that affect the air, land, and water resources of the state and the continued cleanup of Puget Sound. This grant funding will protect public and environmental health, create jobs, promote economic growth through the redevelopment of contaminated properties, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account and State Building Construction Account).

Project Description

The 74-acre Georgia-Pacific West Site is located on Bellingham's waterfront. A pulp and tissue mill operated on the Site from 1926 through 2007. In 2013, the agreed order was amended separating the Site into two remedial action units (RAUs) including the Pulp/Tissue Mill (PTM) RAU and the Chlor-Alkali RAU. A CAP was completed for the 36-acre Chlor-Alkali RAU in September 2021. Currently pre-remedial design investigation data reports are being finalized for the various phases of the proposed cleanup. A draft engineering design report is expected in early 2025 with cleanup construction planning and specifications to occur during the 2025-2027 biennium.

Location

City: Bellingham **County:** Whatcom **Legislative District:** 042

Project Type

Grants

Grant Recipient Organization: Multiple Local Governments
RCW that establishes grant: N/A

Application process used

Project solicitation. (1) Biennially, Ecology will solicit project proposals from local governments to develop its budget and update the MTCA Ten-Year Financing Plan for the RAG program. (2) Legislative Action. Projects are ranked and included in Ecology's budget for legislative action. (3) Finalize application. Once the budget is passed by the Legislature, recipients are notified and required to work with Ecology to complete any additional application information and submit the information on electronic forms provided by Ecology. For multi-biennial oversight RAG projects, an application must be submitted before each biennium for which additional funds are requested. (4) Agreement development. Ecology uses the information in the application to negotiate with the applicant on the final scope of work and budget for the grant and develop the agreement. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

Supports redevelopment of brownfield properties in urban areas.

Project Number: 40000726
Project Title: 2025-27 Remedial Action Grant Program

SubProjects

SubProject Number: 40000741
SubProject Title: GP West (Chlor-Alkali RAU)

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	2,588,000				2,588,000
	Total	**2,588,000**	**0**	**0**	**0**	**2,588,000**

		Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000742
SubProject Title: North Boeing Field/Georgetown Steam Plan RI/FS

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 4

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request will fund pass-through grants for ready-to-proceed projects for the 2025-27 biennium. RAGs support cleanup at contaminated industrial sites that affect the air, land, and water resources of the state and the continued cleanup of Puget Sound. This grant funding will protect public and environmental health, create jobs, promote economic growth through the redevelopment of contaminated properties, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account and State Building Construction Account).

Project Description

The Georgetown Steam Plant and North Boeing Field Site is located adjacent to the Lower Duwamish Waterway in Seattle and includes land impacted by industrial practices. The primary site-wide contaminants consist of toxic metals and petroleum. Polychlorinated biphenyls and carcinogenic polycyclic aromatic hydrocarbons are also present. Currently, the Site is under an agreed order to complete a remedial investigation (RI), feasibility study, and any necessary interim actions. The RI phase is approaching completion. This funding will be used to continue to support completion of the remedial design documents.

Location

City: Seattle **County:** King **Legislative District:** 034

Project Type

Project Number: 40000726
Project Title: 2025-27 Remedial Action Grant Program

SubProjects

Project Type

SubProject Number: 40000742
SubProject Title: North Boeing Field/Georgetown Steam Plan RI/FS
Grants

Grant Recipient Organization: Multiple Local Governments
RCW that establishes grant: N/A
Application process used
Project solicitation. (1) Biennially, Ecology will solicit project proposals from local governments to develop its budget and update the MTCA Ten-Year Financing Plan for the RAG program. (2) Legislative Action. Projects are ranked and included in Ecology's budget for legislative action. (3) Finalize application. Once the budget is passed by the Legislature, recipients are notified and required to work with Ecology to complete any additional application information and submit the information on electronic forms provided by Ecology. For multi-biennial oversight RAG projects, an application must be submitted before each biennium for which additional funds are requested. (4) Agreement development. Ecology uses the information in the application to negotiate with the applicant on the final scope of work and budget for the grant and develop the agreement. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts
Supports redevelopment of brownfield properties in urban areas.

Funding

Acct Code	Account Title	Expenditures: Estimated Total	Expenditures: Prior Biennium	Expenditures: Current Biennium	2025-27 Fiscal Period: Reapprops	2025-27 Fiscal Period: New Approps
057-1	State Bldg Constr-State	172,000				172,000
	Total	**172,000**	**0**	**0**	**0**	**172,000**

		Future Fiscal Periods: 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000743
SubProject Title: South Park Landfill

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/5/2024 8:07AM

Project Number: 40000726
Project Title: 2025-27 Remedial Action Grant Program

SubProjects

SubProject Number: 40000743
SubProject Title: South Park Landfill

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 4

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request will fund pass-through grants for ready-to-proceed projects for the 2025-27 biennium. RAGs support cleanup at contaminated industrial sites that affect the air, land, and water resources of the state and the continued cleanup of Puget Sound. This grant funding will protect public and environmental health, create jobs, promote economic growth through the redevelopment of contaminated properties, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account and State Building Construction Account).

Project Description

The historic South Park Landfill Site is located in the South Park neighborhood of Seattle and encompasses a number of properties. The Site began being used for waste disposal by the 1930s. Aerial photos also indicate use as an automobile wrecking yard. The City of Seattle is under an agreed order to implement an interim action (IA) among other remedial activities. A draft remedial investigation/feasibility study report was finalized in October 2017. The IA workplan for the City's parcel went to public comment in December 2023. Final design is expected in 2025 to enable construction in 2026.

Location

City: Bellingham **County:** Whatcom **Legislative District:** 040

Project Type

Grants

Grant Recipient Organization: Multiple Local Governments
RCW that establishes grant: N/A

Application process used

Project solicitation. (1) Biennially, Ecology will solicit project proposals from local governments to develop its budget and update the MTCA Ten-Year Financing Plan for the RAG program. (2) Legislative Action. Projects are ranked and included in Ecology's budget for legislative action. (3) Finalize application. Once the budget is passed by the Legislature, recipients are notified and required to work with Ecology to complete any additional application information and submit the information on electronic forms provided by Ecology. For multi-biennial oversight RAG projects, an application must be submitted before each biennium for which additional funds are requested. (4) Agreement development. Ecology uses the information in the application to negotiate with the applicant on the final scope of work and budget for the grant and develop the agreement. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

Supports redevelopment of brownfield properties in urban areas.

Funding		Expenditures			2025-27 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	5,367,000				5,367,000
	Total	**5,367,000**	**0**	**0**	**0**	**5,367,000**

Project Number: 40000726
Project Title: 2025-27 Remedial Action Grant Program

SubProjects

SubProject Number: 40000743
SubProject Title: South Park Landfill

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000744
SubProject Title: Tect Aerospace Everett

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 4

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request will fund pass-through grants for ready-to-proceed projects for the 2025-27 biennium. RAGs support cleanup at contaminated industrial sites that affect the air, land, and water resources of the state and the continued cleanup of Puget Sound. This grant funding will protect public and environmental health, create jobs, promote economic growth through the redevelopment of contaminated properties, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account and State Building Construction Account).

Project Description

The Tect Aerospace Everett Site is located at Paine Field Airport in Everett. The main contaminant of concern is trichloroethylene (TCE) in soil and groundwater. In addition, hydrocarbon contamination, arsenic, cadmium, and 1,4-dioxane exists throughout the approximately 8-acre site. The proposed activities to be performed under this grant per the agreed order include a remedial investigation, feasibility study, and draft cleanup action plan. Data is currently being gathered to support the remedial investigation report.

Location

City: Everett **County:** Snohomish **Legislative District:** 021

Project Type

Grants

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/5/2024 8:07AM

Project Number: 40000726
Project Title: 2025-27 Remedial Action Grant Program

SubProjects

SubProject Number: 40000744
SubProject Title: Tect Aerospace Everett

Grant Recipient Organization: Multiple Local Governments

RCW that establishes grant: N/A

Application process used

Project solicitation. (1) Biennially, Ecology will solicit project proposals from local governments to develop its budget and update the MTCA Ten-Year Financing Plan for the RAG program. (2) Legislative Action. Projects are ranked and included in Ecology's budget for legislative action. (3) Finalize application. Once the budget is passed by the Legislature, recipients are notified and required to work with Ecology to complete any additional application information and submit the information on electronic forms provided by Ecology. For multi-biennial oversight RAG projects, an application must be submitted before each biennium for which additional funds are requested. (4) Agreement development. Ecology uses the information in the application to negotiate with the applicant on the final scope of work and budget for the grant and develop the agreement. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

Supports redevelopment of brownfield properties in urban areas.

Funding

		Expenditures			2025-27 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	1,730,000				1,730,000
	Total	**1,730,000**	**0**	**0**	**0**	**1,730,000**

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000745
SubProject Title: East Waterway Operable Unit (OU)- Harbor Island Superfund Site

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/5/2024 8:07AM

Project Number: 40000726
Project Title: 2025-27 Remedial Action Grant Program

SubProjects

SubProject Number: 40000745
SubProject Title: East Waterway Operable Unit (OU)- Harbor Island Superfund Site

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 4

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request will fund pass-through grants for ready-to-proceed projects for the 2025-27 biennium. RAGs support cleanup at contaminated industrial sites that affect the air, land, and water resources of the state and the continued cleanup of Puget Sound. This grant funding will protect public and environmental health, create jobs, promote economic growth through the redevelopment of contaminated properties, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account and State Building Construction Account).

Project Description

The East Waterway Site of the Duwamish River is part of the Harbor Island Superfund Site in Seattle. A long history of industrial and commercial use of the waterway has resulted in heavy contamination, such as polychlorinated biphenyls, arsenic, carcinogenic polycyclic aromatic hydrocarbons, dioxins/furans, phthalates, and other hazardous substances. A US Environmental Protection Agency (EPA) record of decision requires remedial action at the East Waterway Operable Unit (OU). A supplemental remedial investigation/ feasibility study was completed under an administrative settlement agreement and order on consent with EPA. Funds will be used for cleanup activities, including possible pilot studies, design, construction, and implementation of institutional controls. Cleanup of the Site will help protect public health and the aquatic environment, including aquatic species that rely on this river.

Location

City: Seattle **County:** King **Legislative District:** 034

Project Type

Grants

Grant Recipient Organization: Multiple Local Governments
RCW that establishes grant: N/A

Application process used

Project solicitation. (1) Biennially, Ecology will solicit project proposals from local governments to develop its budget and update the MTCA Ten-Year Financing Plan for the RAG program. (2) Legislative Action. Projects are ranked and included in Ecology's budget for legislative action. (3) Finalize application. Once the budget is passed by the Legislature, recipients are notified and required to work with Ecology to complete any additional application information and submit the information on electronic forms provided by Ecology. For multi-biennial oversight RAG projects, an application must be submitted before each biennium for which additional funds are requested. (4) Agreement development. Ecology uses the information in the application to negotiate with the applicant on the final scope of work and budget for the grant and develop the agreement. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

Supports redevelopment of brownfield properties in urban areas.

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Report Number: CBS002
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Project Number: 40000726
Project Title: 2025-27 Remedial Action Grant Program

SubProjects

SubProject Number: 40000745
SubProject Title: East Waterway Operable Unit (OU)- Harbor Island Superfund Site

Funding

Acct Code	Account Title	Expenditures: Estimated Total	Expenditures: Prior Biennium	Expenditures: Current Biennium	2025-27 Fiscal Period: Reapprops	2025-27 Fiscal Period: New Approps
057-1	State Bldg Constr-State	1,677,000				1,677,000
	Total	**1,677,000**	**0**	**0**	**0**	**1,677,000**

Acct Code	Account Title	Future Fiscal Periods: 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000746
SubProject Title: Solid Wood Site

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 4

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request will fund pass-through grants for ready-to-proceed projects for the 2025-27 biennium. RAGs support cleanup at contaminated industrial sites that affect the air, land, and water resources of the state and the continued cleanup of Puget Sound. This grant funding will protect public and environmental health, create jobs, promote economic growth through the redevelopment of contaminated properties, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account and State Building Construction Account).

Project Description

The Solid Wood Site is a former industrial waterfront property located on West Bay in Olympia, Washington. The City of Olympia purchased the property in 2005, entered into an agreed order with Ecology in November of 2008. RI/FS and IA activities are being performed under Agreed Order No. DE-08-TCPSR-5415.

Location

City: Olympia **County:** Thurston **Legislative District:** 022

Project Type

Grants

Project Number: 40000726
Project Title: 2025-27 Remedial Action Grant Program

SubProjects

SubProject Number: 40000746
SubProject Title: Solid Wood Site

Grant Recipient Organization: Multiple Local Governments

RCW that establishes grant: N/A

Application process used

Project solicitation. (1) Biennially, Ecology will solicit project proposals from local governments to develop its budget and update the MTCA Ten-Year Financing Plan for the RAG program. (2) Legislative Action. Projects are ranked and included in Ecology's budget for legislative action. (3) Finalize application. Once the budget is passed by the Legislature, recipients are notified and required to work with Ecology to complete any additional application information and submit the information on electronic forms provided by Ecology. For multi-biennial oversight RAG projects, an application must be submitted before each biennium for which additional funds are requested. (4) Agreement development. Ecology uses the information in the application to negotiate with the applicant on the final scope of work and budget for the grant and develop the agreement. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

Supports redevelopment of brownfield properties in urban areas.

Funding

		Expenditures			2025-27 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	314,000				314,000
	Total	**314,000**	**0**	**0**	**0**	**314,000**

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000747
SubProject Title: Northern State Multi Service Center

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/5/2024 8:07AM

Project Number: 40000726
Project Title: 2025-27 Remedial Action Grant Program

SubProjects

SubProject Number: 40000747
SubProject Title: Northern State Multi Service Center

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 4

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request will fund pass-through grants for ready-to-proceed projects for the 2025-27 biennium. RAGs support cleanup at contaminated industrial sites that affect the air, land, and water resources of the state and the continued cleanup of Puget Sound. This grant funding will protect public and environmental health, create jobs, promote economic growth through the redevelopment of contaminated properties, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account and State Building Construction Account).

Project Description

The Northern State Multi Service Center Site is a large campus of historic buildings and landscaped outdoor spaces located in Sedro-Woolley. The project would cleanup contamination to support reuse and redevelopment of the Site. The Port of Skagit entered into an agreed order with Ecology in 2019 and has since completed two interim actions and is finishing the remedial investigation. These funds will be used for cleanup activities, including cleanup construction. The facility located at the Site is listed in the National Register of Historic Places and the Port of Skagit has been able to open outdoor areas at the Site for public use since remedial actions began. This project will re-purpose a community asset and vitalize the local economy.

Location

City: Sedro-Woolley **County:** Skagit **Legislative District:** 039

Project Type

Grants

Grant Recipient Organization: Multiple Local Governments
RCW that establishes grant: N/A

Application process used

Project solicitation. (1) Biennially, Ecology will solicit project proposals from local governments to develop its budget and update the MTCA Ten-Year Financing Plan for the RAG program. (2) Legislative Action. Projects are ranked and included in Ecology's budget for legislative action. (3) Finalize application. Once the budget is passed by the Legislature, recipients are notified and required to work with Ecology to complete any additional application information and submit the information on electronic forms provided by Ecology. For multi-biennial oversight RAG projects, an application must be submitted before each biennium for which additional funds are requested. (4) Agreement development. Ecology uses the information in the application to negotiate with the applicant on the final scope of work and budget for the grant and develop the agreement. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

Supports redevelopment of brownfield properties in urban areas.

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/5/2024 8:07AM

Project Number: 40000726
Project Title: 2025-27 Remedial Action Grant Program

SubProjects

SubProject Number: 40000747
SubProject Title: Northern State Multi Service Center

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	659,000				659,000
	Total	**659,000**	**0**	**0**	**0**	**659,000**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000748
SubProject Title: Gas Works Park

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 4

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request will fund pass-through grants for ready-to-proceed projects for the 2025-27 biennium. RAGs support cleanup at contaminated industrial sites that affect the air, land, and water resources of the state and the continued cleanup of Puget Sound. This grant funding will protect public and environmental health, create jobs, promote economic growth through the redevelopment of contaminated properties, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account and State Building Construction Account).

Project Description

The Gas Works Park Site is situated on the northern shore of Lake Union in Seattle. It consists of an upland area and an in-water sediment area impacted by historical industrial operations including a manufactured gas plant, tar refinery, bulk fuel storage and ship building. A remedial investigation/feasibility study for the Site, finalized in January 2023, determined that the multiple cleanup actions implemented between 1971 and 2020 addressed contamination in the upland area except for contaminated shoreline/bank soil and arsenic-contaminated groundwater along the eastern shoreline. Contaminated sediment is present throughout the in-water area. A consent decree was executed in January 2024 to implement a cleanup action plan. These funds will be used toward engineering design and cleanup construction pending the federal JARPA permit.

Location

City: Seattle **County:** King **Legislative District:** 043

Project Number: 40000726
Project Title: 2025-27 Remedial Action Grant Program

SubProjects

Project Type

SubProject Number: 40000748
SubProject Title: Gas Works Park

Project Type
Grants

Grant Recipient Organization: Multiple Local Governments

RCW that establishes grant: N/A

Application process used
Project solicitation. (1) Biennially, Ecology will solicit project proposals from local governments to develop its budget and update the MTCA Ten-Year Financing Plan for the RAG program. (2) Legislative Action. Projects are ranked and included in Ecology's budget for legislative action. (3) Finalize application. Once the budget is passed by the Legislature, recipients are notified and required to work with Ecology to complete any additional application information and submit the information on electronic forms provided by Ecology. For multi-biennial oversight RAG projects, an application must be submitted before each biennium for which additional funds are requested. (4) Agreement development. Ecology uses the information in the application to negotiate with the applicant on the final scope of work and budget for the grant and develop the agreement. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts
Supports redevelopment of brownfield properties in urban areas.

Funding

		Expenditures			2025-27 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	2,281,000				2,281,000
	Total	**2,281,000**	**0**	**0**	**0**	**2,281,000**

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000749
SubProject Title: I & J Waterway (Sediment Cleanup Unit - 2)

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/5/2024 8:07AM

Project Number: 40000726
Project Title: 2025-27 Remedial Action Grant Program

SubProjects

SubProject Number: 40000749
SubProject Title: I & J Waterway (Sediment Cleanup Unit - 2)

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 4

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request will fund pass-through grants for ready-to-proceed projects for the 2025-27 biennium. RAGs support cleanup at contaminated industrial sites that affect the air, land, and water resources of the state and the continued cleanup of Puget Sound. This grant funding will protect public and environmental health, create jobs, promote economic growth through the redevelopment of contaminated properties, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account and State Building Construction Account).

Project Description

The I&J Waterway Site is located in Bellingham Bay and resulted from industrial activities. These funds will be used to support remedial activities in Sediment Cleanup Unit 2 (SCU-2), including engineering design and permitting per the agreed order and the Ecology-developed cleanup action plan.

Location

City: Bellingham **County:** Whatcom **Legislative District:** 042

Project Type

Grants

Grant Recipient Organization: Multiple Local Governments
RCW that establishes grant: N/A
Application process used

Project solicitation. (1) Biennially, Ecology will solicit project proposals from local governments to develop its budget and update the MTCA Ten-Year Financing Plan for the RAG program. (2) Legislative Action. Projects are ranked and included in Ecology's budget for legislative action. (3) Finalize application. Once the budget is passed by the Legislature, recipients are notified and required to work with Ecology to complete any additional application information and submit the information on electronic forms provided by Ecology. For multi-biennial oversight RAG projects, an application must be submitted before each biennium for which additional funds are requested. (4) Agreement development. Ecology uses the information in the application to negotiate with the applicant on the final scope of work and budget for the grant and develop the agreement. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

Supports redevelopment of brownfield properties in urban areas.

Funding		Expenditures			2025-27 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	400,000				400,000
	Total	**400,000**	**0**	**0**	**0**	**400,000**

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/5/2024 8:07AM

Project Number: 40000726
Project Title: 2025-27 Remedial Action Grant Program

SubProjects

SubProject Number: 40000749
SubProject Title: I & J Waterway (Sediment Cleanup Unit - 2)

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000750
SubProject Title: Staff and Database Support (EAGL)

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 4

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request will fund pass-through grants for ready-to-proceed projects for the 2025-27 biennium. RAGs support cleanup at contaminated industrial sites that affect the air, land, and water resources of the state and the continued cleanup of Puget Sound. This grant funding will protect public and environmental health, create jobs, promote economic growth through the redevelopment of contaminated properties, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account and State Building Construction Account).

Project Description

Funding for the administration of the Remedial Action Grant Program. Administration includes writing all grant agreements; reviewing and approving all invoices related to the more than 90 active grant agreements. 5.18 FTEs are needed for grant administration, program evaluation, Central Budget Office capital support, and Agency administrative overhead. Maintenance of Ecology's Administration of Grants & Loans (EAGL) system.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/5/2024 8:07AM

Project Number: 40000726
Project Title: 2025-27 Remedial Action Grant Program

SubProjects

SubProject Number: 40000750
SubProject Title: Staff and Database Support (EAGL)

Grant Recipient Organization: Multiple Local Governments

RCW that establishes grant: N/A

Application process used

Project solicitation. (1) Biennially, Ecology will solicit project proposals from local governments to develop its budget and update the MTCA Ten-Year Financing Plan for the RAG program. (2) Legislative Action. Projects are ranked and included in Ecology's budget for legislative action. (3) Finalize application. Once the budget is passed by the Legislature, recipients are notified and required to work with Ecology to complete any additional application information and submit the information on electronic forms provided by Ecology. For multi-biennial oversight RAG projects, an application must be submitted before each biennium for which additional funds are requested. (4) Agreement development. Ecology uses the information in the application to negotiate with the applicant on the final scope of work and budget for the grant and develop the agreement. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

Supports redevelopment of brownfield properties in urban areas.

Funding

		Expenditures				2025-27 Fiscal Period
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	1,728,000				1,728,000
	Total	**1,728,000**	**0**	**0**	**0**	**1,728,000**

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000751
SubProject Title: 2025-27 Remedial Action Grant Program Ten Year Financial Plan

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/5/2024 8:07AM

Project Number: 40000726
Project Title: 2025-27 Remedial Action Grant Program

SubProjects

SubProject Number: 40000751
SubProject Title: 2025-27 Remedial Action Grant Program Ten Year Financial Plan

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 4

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request will fund pass-through grants for ready-to-proceed projects for the 2025-27 biennium. RAGs support cleanup at contaminated industrial sites that affect the air, land, and water resources of the state and the continued cleanup of Puget Sound. This grant funding will protect public and environmental health, create jobs, promote economic growth through the redevelopment of contaminated properties, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account and State Building Construction Account).

Project Description

Ten year financial plan

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Multiple Local Governments
RCW that establishes grant: N/A

Application process used

Project solicitation. (1) Biennially, Ecology will solicit project proposals from local governments to develop its budget and update the MTCA Ten-Year Financing Plan for the RAG program. (2) Legislative Action. Projects are ranked and included in Ecology's budget for legislative action. (3) Finalize application. Once the budget is passed by the Legislature, recipients are notified and required to work with Ecology to complete any additional application information and submit the information on electronic forms provided by Ecology. For multi-biennial oversight RAG projects, an application must be submitted before each biennium for which additional funds are requested. (4) Agreement development. Ecology uses the information in the application to negotiate with the applicant on the final scope of work and budget for the grant and develop the agreement. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

Supports redevelopment of brownfield properties in urban areas.

Funding		Expenditures			2025-27 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
23N-1	MTC Capital Account-State	288,888,000				
	Total	**288,888,000**	**0**	**0**	**0**	**0**

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Capital Project Request

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/5/2024 8:07AM

Project Number: 40000726
Project Title: 2025-27 Remedial Action Grant Program

SubProjects

SubProject Number: 40000751
SubProject Title: 2025-27 Remedial Action Grant Program Ten Year Financial Plan

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State	72,222,000	72,222,000	72,222,000	72,222,000
	Total	**72,222,000**	**72,222,000**	**72,222,000**	**72,222,000**

Operating Impacts

No Operating Impact

Ecology 2025-27 Biennium Capital Budget Project List
Toxics Cleanup Program
Remedial Action Grants

August 2024

Purpose: This list provides project details about the 2025-27 Remedial Action Grants (RAG) budget request as submitted by Ecology as well as the projects funded by the legislature. This list represents cleanup projects that are underway and/or need funding to support the cleanup for ready to proceed projects. The projects were ranked following the RAG Rule site selection and prioritization criteria (revised in 2014, 173-322A-WAC). This list is a plan based on the best information available to Ecology. The plan may change as more information becomes available.

Rank	Applicant / Recipient	Project Title	Project Description	Amount	Phase of Cleanup	Site Address	City	County	Leg. District	WRIA	Lat.	Long.
1	Everett, Port of	Weyerhaeuser Mill A	This is a large dredge project that will span several biennia and is supported by an Extended Grant Agreement. The cleanup construction for the in-water portion of the site should commence in 2026 and will consist of four to six in-water work windows. The agreed order was amended in June 2024 for an interim action and to support ongoing design as the project continues to move forward.	20,000,000	Engineering Design	3500 Terminal Ave	Everett	Snohomish	38	7 - Snohomish	47.98	-122.23
2	King County - Natural Resources and Parks Department	LDW Superfund Site Remedial Action	**This project supports the costs for King County as a Potentially Liable Party (PLP) at the site.** The Lower Duwamish Waterway (LDW) is a Superfund site that includes approximately five miles of heavily contaminated waterway extending upstream from the southern tip of Harbor Island in Seattle. The Lower Duwamish Waterway Group (LWDG) partners have completed the engineering design for the Cleanup Action for the Upper Reach of the LDW (approximately 2 miles), with cleanup anticipated to begin in fall 2024. Funds will also be used to conduct remaining pre-design sampling as well as engineering design for the Middle Reach, with the engineering design for the Cleanup Action expected to be completed in 2026. The Lower Reach of the waterway will be designed in subsequent biennia. Cleanup of the LDW will help protect human health, sensitive estuarine habitats, and aquatic species that depend on these habitats.	2,622,000	Cleanup Construction	Lower Duwamish Waterway	Seattle	King	34	9 - Duwamish - Green	47.57	-122.35
3	Seattle, City of- Public Utilities Department	LDW Superfund Site Remedial Action	**This project supports the costs for Seattle Public Utility as a Potentially Liable Party (PLP) at the site.** The Lower Duwamish Waterway (LDW) is a Superfund site that includes approximately five miles of heavily contaminated waterway extending upstream from the southern tip of Harbor Island in Seattle. The Lower Duwamish Waterway Group (LWDG) partners have completed the engineering design for the Cleanup Action for the Upper Reach of the LDW (approximately 2 miles), with cleanup anticipated to begin in fall 2024. Funds will also be used to conduct remaining pre-design sampling as well as engineering design for the Middle Reach, with the engineering design for the Cleanup Action expected to be completed in 2026. The Lower Reach of the waterway will be designed in subsequent biennia. Cleanup of the LDW will help protect human health, sensitive estuarine habitats, and aquatic species that depend on these habitats.	5,700,000	Cleanup Construction	Lower Duwamish Waterway	Seattle	King	34	9 - Duwamish - Green	47.57	-122.35
4	Seattle City Light	Lower Duwamish Superfund Site Remedial Action	**This project supports the costs for Seattle City Light as a Potentially Liable Party (PLP) at the site.** The Lower Duwamish Waterway (LDW) is a Superfund site that includes approximately five miles of heavily contaminated waterway extending upstream from the southern tip of Harbor Island in Seattle. The Lower Duwamish Waterway Group (LWDG) partners have completed the engineering design for the Cleanup Action for the Upper Reach of the LDW (approximately 2 miles), with cleanup anticipated to begin in fall 2024. Funds will also be used to conduct remaining pre-design sampling as well as engineering design for the Middle Reach, with the engineering design for the Cleanup Action expected to be completed in 2026. The Lower Reach of the waterway will be designed in subsequent biennia. Cleanup of the LDW will help protect human health, sensitive estuarine habitats, and aquatic species that depend on these habitats.	1,429,000	Cleanup Construction	Lower Duwamish Waterway	Seattle	King	34	9 - Duwamish - Green	47.57	-122.35
5	Tacoma, Port of	Arkema Manufacturing	This grant supports compliance with Agreed Order DE-5668. The Agreed order includes completion of remedial investigation, feasibility study, and completion of the Cleanup Action Plan at the Arkema/Dunlap Mound Site. The site is currently planning for an interim action. The first phase of the interim action would include the construction of a slurry wall and capping of 12.6 acres. Requested funding would support this interim action cleanup construction that is hoping to go for bid in summer of 2025.	3,000,000	Cleanup Construction	2901 Taylor Way	Tacoma	Pierce	27	10 - Puyallup - White	47.27	-122.38
6	Bellingham, Port of	Whatcom Waterway	The Whatcom Waterway Site is located within Bellingham Bay. The Site is more than 200 acres in size and includes work in the waterway and a former industrial waste treatment lagoon. Separated into multiple phases, this second phase of work includes finalizing the engineering design, permitting, and implementing the cleanup action in accordance with the consent decree. Engineering phase work is underway with cleanup construction expected to begin during the 2025-27 biennium.	39,378,000	Cleanup Construction	W Of Holly St	Bellingham	Whatcom	42	1 - Nooksack	48.75	-122.49
7	Friday Harbor, Port of	Albert Jensen & Sons Inc.	The Albert Jensen & Sons Inc. site was developed in 1910 into a shipyard and is still used as a boat maintenance facility and shipyard. Recent sampling identified contaminants including Tributyltin, PCBs, dioxins/furans, phthalates, organic chemicals, pesticides, polyaromatic hydrocarbons, and metals. The grant funding will go towards evaluating and integrating existing upland and in-water data, completing a cultural resources survey, performing a Remedial Investigation/Feasibility Study, preparing a Draft Cleanup Action Plan, completing work plans, engineering design, permitting and completion of interim action(s), and preparing for remedy implementation and long-term monitoring in subsequent biennia.	743,000	Interim Actions	1293 Turn Point Rd	Friday Harbor	San Juan	40	2 - San Juan	48.53	-123.00
8	Bellingham, Port of	Cornwall Avenue Landfill	The Cornwall Avenue Landfill Site is located in Bellingham along the waterfront. The Site resulted from the historical disposal of refuse and wood waste. Engineering design phase work has been completed and the consent decree for construction executed. The project is scheduled to begin cleanup construction in 2025 pending the federal JARPA permit.	2,738,000	Cleanup Construction	Cornwall Ave	Bellingham	Whatcom	42	1 - Nooksack	48.74	-122.49
9	Olympia, Port of- Environmental Programs	Budd Inlet Sediment Site	The work under the AO No DE 6083 amendment involves fully defining the nature and extent of contamination in the Study Area and preparing for a potential interim action. The purpose of these remedial activities is to provide sufficient data, analysis, and evaluations into the nature and extent of contamination in the Port of Olympia's berthing areas, in-water log storage area and under the pier in West Bay of Budd Inlet, as well as in-water areas adjacent to the Port's properties in East Bay of Budd Inlet. This will enable Ecology to evaluate interim action alternatives for contamination above applicable cleanup levels in the Study Area and to provide additional information on potential sources of contamination to sediments in Budd Inlet.	1,140,000	Engineering Design	606 Columbia St. NW, Suite 300	Olympia	Thurston	22	13 - Deschutes	47.06	-122.91
10	Grant County - Public Works	Ephrata Landfill	The City of Ephrata began operating the Grant County Ephrata Landfill 1 a.k.a Ephrata Landfill (CSID1692) located at 3803 Neva Lake Rd NW Ephrata, WA 98823 in 1942 and owned and operated it until 1974 that was subsequently leased to the Grant County. Both entities are working to complete the remedial investigation and a feasibility study under Agreed Order DE 3810 . A Cleanup Action Plan (CAP) will be implemented through a Consent Decree.	3,833,000	Interim Actions	Hwy 28	Ephrata	Grant	13	41 - Lower Crab	47.28	-119.58
11	Spokane County - Regional Solid Waste	Colbert Landfill	This project will allow Spokane County to update and optimize the Conceptual Site Model (CSM) for the Colbert Landfill. Updating and optimizing the CSM will provide the necessary data and tools for Spokane County personnel to determine the feasibility of remedial options at the Colbert Landfill to determine the best remedial option(s) as the original remedy outlined in the CAP has not maintained cleanup levels at the conditional point of compliance.	114,000	Remedial Investigation	22515 N Elk Chattaroy Rd	Spokane	Spokane	4	55 - Little Spokane	47.86	-117.35
12	Bellingham, Port of	I & J Waterway (Sediment Cleanup Unit - 1)	The I&J Waterway Site is located in Bellingham Bay and resulted from industrial activities. This grant funds remedial actions for the Sediment Cleanup Unit 1 (SCU-1) portion of the I&J Waterway Site. This includes cleanup construction bid activities and construction of the cleanup action as required under the consent decree filed in November 2023. Cleanup construction began in July 2024 and will continue through 2025. This funding will provide critical funding for continued cleanup construction.	2,425,000	Cleanup Construction	1000 block of Hilton Avenue	Bellingham	Whatcom	42	1 - Nooksack	48.75	-122.49
13	Bellingham city of - City Attorney's Office	R.G. Haley International Corporation Site	The R.G. Haley International Corporation Site is located in Bellingham. The Site resulted from historical industrial activities associated with lumber, coal, and wharf operations that impacted approximately 6 acres of upland property and 1.25 acres of aquatic land. An engineering design report was finalized in May 2022. Cleanup construction is expected to begin in 2025.	3,028,000	Cleanup Construction	Cornwall Ave N	Bellingham	Whatcom	42	1 - Nooksack	48.74	-122.49

Rank	Applicant / Recipient	Project Title	Project Description	Amount	Phase of Cleanup	Site Address	City	County	Leg. District	WRIA	Lat.	Long.
14	Bellingham city of - Parks and Recreation	South State Street Manufactured Gas Plant Cleanup	The South State Street Manufactured Gas Plant (MGP) is located on a portion of what is now Boulevard Park on the eastern shore of Bellingham Bay. The Site is divided into an upland unit and a marine unit, separated by the ordinary high-water mark. Historical MGP operations resulted in contamination of soil, groundwater, and sediment. A cleanup action plan was finalized in August 2020 and a pre-remedial design investigation data report was finalized in June 2023. A draft engineering design report was completed in July 2024 and will be used to prepare plans and specifications for the proposed cleanup of the Site. The project is hoping to go to construction in the 2025-27 biennium.	5,165,000	Cleanup Construction	400 Block S State St	Bellingham	Whatcom	40	1 - Nooksack	48.73	-122.50
15	Bellingham, Port of	GP West (Chlor-Alkali RAU)	The 74-acre Georgia-Pacific West Site is located on Bellingham's waterfront. A pulp and tissue mill operated on the Site from 1926 through 2007. In 2013, the agreed order was amended separating the Site into two remedial action units (RAUs) including the Pulp/Tissue Mill (PTM) RAU and the Chlor-Alkali RAU. A CAP was completed for the 36-acre Chlor-Alkali RAU in September 2021. Currently pre-remedial design investigation data reports are being finalized for the various phases of the proposed cleanup. A draft engineering design report is expected in early 2025 with cleanup construction planning and specifications to occur during the 2025-2027 biennium.	2,588,000	Cleanup Construction	300 W Laurel St	Bellingham	Whatcom	42	1 - Nooksack	48.75	-122.48
16	Seattle City Light	North Boeing Field/Georgetown Steam Plan RI/FS	The Georgetown Steam Plant and North Boeing Field Site is located adjacent to the Lower Duwamish Waterway in Seattle and includes land impacted by industrial practices. The primary site-wide contaminants consist of toxic metals and petroleum. Polychlorinated biphenyls and carcinogenic polycyclic aromatic hydrocarbons are also present. Currently, the Site is under an agreed order to complete a remedial investigation (RI), feasibility study, and any necessary interim actions. The RI phase is approaching completion. This funding will be used to continue to support completion of the remedial design documents.	172,000	Remedial Investigation	7370 E Marginal Way S	Seattle	King	34	9 - Duwamish - Green	47.54	-122.31
17	Seattle, City of- Public Utilities Department	South Park Landfill	The historic South Park Landfill Site is located in the South Park neighborhood of Seattle and encompasses a number of properties. The Site began being used for waste disposal by the 1930s. Aerial photos also indicate use as an automobile wrecking yard. The City of Seattle is under an agreed order to implement an interim action (IA) among other remedial activities. A draft remedial investigation/feasibility study report was finalized in October 2017. The IA workplan for the City's parcel went to public comment in December 2023. Final design is expected in 2025 to enable construction in 2026.	5,367,000	Cleanup Construction	8200 2nd Ave S	Bellingham	Whatcom	40	1 - Nooksack	48.73	-122.50
18	Snohomish County - Airport Division	Tect Aerospace Everett	The Tect Aerospace Everett Site is located at Paine Field Airport in Everett. The main contaminant of concern is trichloroethylene (TCE) in soil and groundwater. In addition, hydrocarbon contamination, arsenic, cadmium, and 1,4-dioxane exists throughout the approximately 8-acre site. The proposed activities to be performed under this grant per the agreed order include a remedial investigation, feasibility study, and draft cleanup action plan. Data is currently being gathered to support the remedial investigation report.	1,730,000	Engineering Design	2933 109th St SW	Everett	Snohomish	21	8 - Cedar - Sammamish	47.90	-122.27
19	Seattle, Port of- Seaport Environmental Program	East Waterway Operable Unit (OU)- Harbor Island Superfund Site	The East Waterway Site of the Duwamish River is part of the Harbor Island Superfund Site in Seattle. A long history of industrial and commercial use of the waterway has resulted in heavy contamination, such as polychlorinated biphenyls, arsenic, carcinogenic polycyclic aromatic hydrocarbons, dioxins/furans, phthalates, and other hazardous substances. A US Environmental Protection Agency (EPA) record of decision requires remedial action at the East Waterway Operable Unit (OU). A supplemental remedial investigation/ feasibility study was completed under an administrative settlement agreement and order on consent with EPA. Funds will be used for cleanup activities, including possible pilot studies, design, construction, and implementation of institutional controls. Cleanup of the Site will help protect public health and the aquatic environment, including aquatic species that rely on this river.	1,677,000	Engineering Design	E Marginal Way S (East Waterway)	Seattle	King	34	9 - Duwamish - Green	47.58	-122.34
20	Olympia, City of - Parks Department	Solid Wood Site	The Solid Wood Site is a former industrial waterfront property located on West Bay in Olympia, Washington. The City of Olympia purchased the property in 2005, entered into an agreed order with Ecology in November of 2008. RI/FS and IA activities are being performed under Agreed Order No. DE-08-TCPSR-5415.	314,000	Cleanup Construction	700 W Bay Dr NW	Olympia	Thurston	22	13 - Deschutes	47.05	-122.91
21	Skagit County, Port of	Northern State Multi Service Center	The Northern State Multi Service Center Site is a large campus of historic buildings and landscaped outdoor spaces located in Sedro-Woolley. The project would cleanup contamination to support reuse and redevelopment of the Site. The Port of Skagit entered into an agreed order with Ecology in 2019 and has since completed two interim actions and is finishing the remedial investigation. These funds will be used for cleanup activities, including cleanup construction. The facility located at the Site is listed in the National Register of Historic Places and the Port of Skagit has been able to open outdoor areas at the Site for public use since remedial actions began. This project will re-purpose a community asset and vitalize the local economy.	659,000	Cleanup Construction	2070 Northern State Rd	Sedro Woolley	Skagit	39	3 - Lower Skagit - Samish	48.53	-122.21
22	Seattle city of - Public Utilities Department	Gas Works Park	The Gas Works Park Site is situated on the northern shore of Lake Union in Seattle. It consists of an upland area and an in-water sediment area impacted by historical industrial operations including a manufactured gas plant, tar refinery, bulk fuel storage and ship building. A remedial investigation/feasibility study for the Site, finalized in January 2023, determined that the multiple cleanup actions implemented between 1971 and 2020 addressed contamination in the upland area except for contaminated shoreline/bank soil and arsenic-contaminated groundwater along the eastern shoreline. Contaminated sediment is present throughout the in-water area. A consent decree was executed in January 2024 to implement a cleanup action plan. These funds will be used toward engineering design and cleanup construction pending the federal JARPA permit.	2,281,000	Engineering Design	2000 N Northlake Way	Seattle	King	43	8 - Cedar - Sammamish	47.65	-122.33
23	Bellingham, Port of	I & J Waterway (Sediment Cleanup Unit - 2)	The I&J Waterway Site is located in Bellingham Bay and resulted from industrial activities. These funds will be used to support remedial activities in Sediment Cleanup Unit 2 (SCU-2), including engineering design and permitting per the agreed order and the Ecology-developed cleanup action plan.	400,000	Engineering Design	1000 block of Hilton Avenue	Bellingham	Whatcom	42	1 - Nooksack	48.75	-122.49
24	N/A	Staff and Database Support (EAGL)	Funding for the administration of the Remedial Action Grant Program. Administration includes writing all grant agreements; reviewing and approving all invoices related to the more than 90 active grant agreements. 5.18 FTEs are needed for grant administration, program evaluation, Central Budget Office capital support, and Agency administrative overhead. Maintenance of Ecology's Administration of Grants & Loans (EAGL) system.	1,728,000	All	Statewide	Statewide	Statewide	Statewide	Statewide	Statewide	Statewide
			TOTAL	**108,231,000**								

2025-27 Biennial Budget HEAL Act Template

Background

HEAL Act requirements

The Healthy Environment for All Act (HEAL Act), Chapter 314, Laws of 2021 (RCW 70A.02) requires that "covered and opt in agencies" must implement the requirements of the HEAL Act. This includes the:

- Department of Ecology
- Department of Agriculture
- Department of Commerce
- Department of Health
- Department of Natural Resources
- Department of Transportation
- Puget Sound Partnership
- Office of the Attorney General

HEAL Act agencies that are considering a significant agency action initiated after July 1, 2023, are required to conduct an environmental justice assessment. RCW 70A.02.010(12) specifies that significant agency actions include:

- The development and adoption of significant legislative rules as defined in RCW 34.05.328.
- The development and adoption of any new grant or loan program that the agency is explicitly authorized or required by statute to implement.
- A capital project, grant, or loan award costing at least $12,000,000.
- A transportation project, grant, or loan costing at least $15,000,000.
- The submission of agency request legislation to the Office of the Governor or OFM.

Under RCW 70A.02.080, beginning on or before July 1, 2023, covered and opt in agencies must, where practicable, take specific actions when making expenditure decisions or developing budget requests to OFM and the Legislature for programs that address or may cause environmental harms or provide environmental benefits. This includes:

- Focus applicable expenditures on creating environmental benefits that are experienced by overburdened communities and vulnerable populations, including reducing or eliminating environmental harms, creating community and population resilience, and improving the quality of life of overburdened communities and vulnerable populations.
- Create opportunities for overburdened communities and vulnerable populations to meaningfully participate in agency expenditure decisions.
- Clearly articulate environmental justice goals and performance metrics to communicate the basis for agency expenditures.
- Establish a goal of directing 40% of grants and expenditures that create environmental benefits to vulnerable populations overburdened communities.

To help OFM understand how HEAL Act agency budget requests meet HEAL Act requirements, covered agencies are required to complete additional questions related to the HEAL Act. These questions are shown below and are in addition to the equity related questions required of all agencies. Covered agencies are asked to complete the following questions and submit them through ABS.

HEAL Act questions

If you answer YES to any of these bullet points, please answer the six additional questions and submit them as an attachment through ABS.

- Is this decision package part of an agency request legislation that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding to support another significant agency action that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding for a program/project/activity that may **provide environmental benefits or reduce, mitigate, or eliminate environmental harms**, (that is not a significant agency action)? Note: This may include decision packages for programs not purposely directed to provide environmental benefits but may have an indirect or unintentional impact.

  ☒ Yes

  ☐ No

If you answer YES to any of the above bullet points, please complete these additional questions.

1. Please describe specific likely or probable environmental harms and/or benefits related to your decision package and the associated health impacts to overburdened communities and vulnerable populations.

   This request will protect the health and environment of vulnerable populations and overburdened communities from contamination at cleanup sites across the state. Unless sites such as those supported by local governments are cleaned up, they will continue to pose threats to public health, the environment, groundwater, and fish and wildlife resources.

2. Please describe the estimated percentage and amount of the requested funds that will go towards creating environmental benefits in overburdened communities and vulnerable populations as defined in OFM's the OBC map or as determined by the agency. If applicable, please include your methodology for making this estimate, including project/award lists if available.

   Approximately 87% or just under $95 million of estimated funds will go towards creating environmental benefits in overburdened communities as defined in OFM's OBC map (see project list). Please see the project list for projects within the OBC map.

3. Please describe any potential significant impacts to Indian Tribes' rights and interest in their tribal lands, as well as traditional practices.

   Cleanup activities to be funded vary in location and activities, which results in varied potential impacts to Indian Tribal rights, interests, and practices. As many of the listed project take place near or within waterbodies that include fish, shellfish, and other plant or animal habitats, temporary construction-related disturbances such as dredging, excavation, and equipment noise, as well as restricted access to project areas, may cause short-term adverse impacts to Tribal fishing rights and other traditional practices. Long-term benefits of these projects will include the removal of contamination in soil and water, thereby reducing potential fish, animal, and human exposure to contamination and restoring natural habitats and resources across the state.

   Proximity to surface water is one of the key metrics used by Department of Archaeology and Historic Preservation (DAHP) to assess the probability of encountering cultural resources for a given project. Across the state, many sensitive archaeological sites, historic properties, and human remains have been uncovered adjacent to or within various bodies of water. Each project's potential to impact archaeological resources and necessary actions to mitigate possible adverse effects will be reviewed and consulted on by Ecology, DAHP, and the affected Tribes under Executive Order 21-02 and other relevant regulations prior to fieldwork activities to ensure appropriate protection for previously discovered and unknown cultural resources.

4. Describe how your agency engaged with Tribes in developing this proposal, including offers for tribal consultation including timelines, methods for feedback, and mechanisms for Tribes to express concern, opposition, or support., and any direction provided by Tribes through this engagement.

   Ecology did not formally consult with Tribes or engage community members in the development of this request. However, this request funds cleanup projects which are all subject to the public participation and tribal engagement requirements in our state's cleanup rules. Under those rules, Ecology seeks meaningful engagement with affected Indian Tribes throughout the cleanup process and conducts cultural resource consultations with Indian Tribes in accordance with Governor's Executive Order 21-02 (GEO 21-02) and WAC 173-340-815 at each appropriate step in the cleanup process to enable Tribes to provide input on the overall design and scope of each project. Further, Ecology will develop a Tribal engagement plan to

provide Indian Tribes with timely information, effective communication, continuous opportunities for collaboration and, when necessary, government-to-government consultation, as appropriate for each site (WAC 173-340-620(3)).

5. If the decision package is part of agency request legislation or supports another significant agency action that is required to complete an environmental justice assessment under RCW 70A.02.010(12), please submit the assessment as an attachment in ABS.

   N/A

6. If the decision package is part of agency request legislation or constitutes a significant agency action that is required to complete an environmental justice assessment, please describe how your agency used the environmental justice assessment process to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits. If your agency determined that you were unable to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits, please provide a justification for not doing so.

   If funding is provided for any requested project over $12 million, constituting a significant agency action, an environmental justice assessment will be done at the time the award is confirmed.

461 - Department of Ecology
Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/22/2024 2:20PM

Project Number: **40000659**
Project Title: **2025-27 Reducing Diesel Greenhouse Gases (GHG) and Toxic Emissions**

Description

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 10

Project Summary

Washington has adopted aggressive goals for reducing greenhouse gases (GHG), including limiting emissions to 45% and below 1990 levels by 2030 and achieving net-zero emissions by 2050. Transportation is the largest source of climate pollution in Washington, accounting for nearly 39% of all GHG emissions in the state. Electrifying on-road transportation, which represents 22% of the state's emissions, is a critical opportunity to reduce GHG emissions. In 2024, the Legislature passed ESHB1368, requiring Ecology to administer a zero-emission school bus grant program to support the transition of school buses to zero-emission fleets. The primary focus for this pass-through grant program will be to transition fossil-fueled school buses to zero-emission and support zero-emission vehicle infrastructure, other fossil-fueled vehicle replacement, and zero-emission vehicle vocational training programs. Ecology will prioritize projects that replace the oldest diesel-fueled vehicles, especially those that operate in or near vulnerable populations and overburdened communities. Related to Puget Sound Action Agenda Implementation. (State Building Construction Account)

Project Description

What is the proposed project?

Ecology is requesting $21.3 million in grant funding to reduce toxic emissions and GHGs from diesel and other fossil-fueled engines. Ecology will continue to prioritize emissions reduction in overburdened communities.

Ecology estimates that approximately 70% of the cancer risks associated with exposure to toxic air pollutants in Washington are attributable to diesel exhaust alone. Zero-emission vehicle technology is crucial to 1) protecting Washington's most vulnerable populations, including children, diesel vehicle drivers, and people living in communities where diesel vehicles operate, from the health impacts of fossil fuel emissions and 2) limiting the long-term impacts of climate change. The exhaust from diesel school buses is harmful to students' physical health, putting them at risk for serious conditions like cancer and asthma. Diesel exhaust pollution is linked to negative cognitive development impacts, endangering students' academic progress and learning.

Communities of color face higher on-road air pollution, and students from Black households, low-income students, and students with disabilities are all more likely to ride the school bus than their counterparts (https://electricschoolbusinitiative.org/why-we-need-transition-electric-school-buses).

The Governor and Legislature have supported policies and initiatives designed to address climate change, improve public health, and address environmental inequities by accelerating the transition from diesel to zero-emission transportation. In 2020, the Legislature revised the state's long-term GHG emission reduction requirement to 95% below 1990 levels by 2050 (RCW 70A.45.020). In 2024, the Legislature passed ESHB 1368, requiring Ecology to administer a zero-emission school bus grant program to support the transition to zero-emission fleets. The intent of the legislation is to help transition school districts, charter schools, and state-Tribal education compact schools to using only zero-emission school buses.

Aggressive action is needed to protect Washington's most vulnerable populations, including children, from exposure to school bus exhaust, health impacts of fossil fuel emissions, and long-term impacts of climate change. This action must also ensure the equitable distribution of benefits as required by the HEAL Act.

With this capital request, Ecology will continue to address GHG emissions to support the state's emission reduction requirements. This grant funding will reduce toxic diesel emissions disproportionally impacting the health and well-being of Washington's economically, socially, and environmentally marginalized populations located along the state's most high-traffic transportation corridors. The primary objective for this request will be to replace fossil-fueled school buses with zero-emission buses, support other diesel engine replacement projects, and fund workforce development training programs to support the transition of fossil-fueled vehicles to zero-emission.

Project Number: 40000659
Project Title: 2025-27 Reducing Diesel Greenhouse Gases (GHG) and Toxic Emissions

Description

Zero-emission vehicle technology is crucial to protecting Washington's most vulnerable populations living and working in bus-idle zones and transportation arteries from the health impacts of fossil fuel emissions and is essential in limiting the long-term impacts of climate change. Specifically, this request will fund projects across Washington that reduce exposure to toxic diesel pollution among pre-K through 12th grade school children, school bus drivers, teachers, parents, and community members, particularly those with pre-existing health conditions that put them at increased risk. By investing in zero-emission school buses, we are investing in a healthier future for students, school staff, and nearby communities. This request will also help train our school bus mechanics, bus drivers, and support staff to maintain and operate zero-emission buses efficiently and effectively. Supporting other career and technical education (CTE) training programs for students will help prepare them for future careers in zero-emission transportation, including our next generation of school transportation support staff.

Funding request includes:

- Up to $17 million for the planning and acquisition of zero-emission student transportation and related infrastructure.

- Up to $3 million in funding for other projects to reduce GHGs and toxic emissions from diesel and fossil-fueled engines. Funding will also support workforce and vocational training to prepare schools and students for the transition to zero-emission transportation. Projects include Environmental Protection Agency (EPA) Diesel Emissions Reduction Act (DERA) projects, zero-emission transportation workforce development, and CTE training programs.

Potential projects include:

- Replacing fossil-fueled school buses with zero-emission buses.

- Purchasing and installing fueling infrastructure, including infrastructure to allow use of zero-emission buses in cold weather and other challenging operational conditions.

- Replacing diesel and fossil-fueled engines, vehicles, and equipment with zero-emission equipment.

- Financial assistance to establish training programs for school bus mechanics, bus drivers, and support staff to maintain and operate zero-emission fleets.

- Financial assistance for school districts to establish CTE programs.

- Financial assistance to support other workforce development or CTE programs to help fossil fuel fleet operators transition to zero-emissions.

Program Details:

Zero-emission School Bus Replacement

The primary objective for this request is to accelerate the transformation of Washington’s school bus fleet to zero-emission to support the state’s long-term GHG emission reduction requirements and improve public health by reducing toxic air emissions from diesel school buses.

There are approximately 10,400 school buses in Washington State’s fleet. Approximately 80 (0.8%) are zero-emission buses, and the remaining (99.2%) operate on fossil fuels (Office of the Superintendent of Public Instruction (OSPI) School Bus Inventory Report, May 5, 2024). Using OSPI’s School Bus Inventory, Ecology estimates approximately 700 school buses are

Description

replaced statewide each year. Of those 700, less than 70 (10%) are replaced with zero-emission buses.

ESHB 1368 (passed in 2024) requires Ecology to administer a zero-emission school bus grant program to support the transition to zero-emission fleets. The intent of the legislation is to help transition school districts, charter schools, and state-Tribal education compact schools to using only zero-emission school buses. Eligible uses of grant funds for this program include:

- Planning and purchasing zero-emission school buses for student transportation.

- Planning, designing, and constructing associated fueling infrastructure, including infrastructure to support the use of zero-emission buses in cold weather and other challenging operational conditions.

- Scrapping old diesel school buses and providing training for drivers, mechanics, and facility operations staff to operate and maintain new zero-emission buses and infrastructure.

ESHB 1368 directs OSPI, in consultation with Ecology, to establish a procedure to determine when the total cost of ownership of a diesel bus is the same as a zero-emission school bus. When the total cost of ownership becomes equal, school districts must purchase only zero-emission buses. Incremental funding for school bus replacement will be needed until total cost of ownership parity is reached. Ecology estimates total cost of ownership parity will be reached no earlier than 2029. The response to available 2023-2025 budget-funded grants suggests $17 million in funding for the 2025-2027 biennium is a reasonable balance between funding and available projects. Incremental funding is a sustainable approach to helping schools transition to a zero-emission fleet while the total cost of ownership continues to move toward parity with diesel school buses.

More than four million Washingtonians live or work close to transportation corridors where they are exposed to high levels of toxic diesel exhaust (https://apps.ecology.wa.gov/publications/SummaryPages/0602022.html). Large numbers of diesel engines operate in or near Washington’s urban areas, transportation corridors, ports, and schools. These diesel emission hotspots adversely impact vulnerable populations and overburdened communities, specifically those impacted by environmental harms such as toxic air pollution and particulate matter, which can enter airways and bloodstreams, leading to chronic heart, lung, and other health conditions.

Ecology and the Department of Health collaborated to develop a mapping tool, the Diesel Pollution and Disproportionate Impact Map (https://fortress.wa.gov/doh/wtn/wtnibl/), that specifically identifies communities whose health has been disproportionately impacted by diesel emissions. Ecology will use this tool to prioritize school bus electrification projects in areas identified as disproportionately impacted.

Leveraging Additional Federal Funds

Since 2005, Ecology’s Clean Diesel retrofit, and replacement program has leveraged over $74 million of additional federal, local-public, and private funds in the form of matching contributions to our expanding portfolio of diesel emissions reduction grants.

EPA provides additional federal funds to states that provide matching funds under the DERA. If Ecology provides a voluntary match equal to the base allocation offered by EPA, EPA will provide additional funding equal to 50% of the base allocation. This funding will be used for projects eligible under the EPA’s DERA guidelines. Funding will address emissions from types of diesel engines other than school buses and complement work under the Volkswagen settlement to reduce criteria pollutants and GHGs. Ecology will work with EPA and local agency partners to identify and prioritize projects in disproportionately impacted communities associated with ports, freight distribution centers, rail yards, and transportation

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corridors.

Vocational and CTE Training Programs
Vocational training programs are needed to help fossil fuel fleet owners transition to zero-emission fleets. These programs can also help school bus mechanics, school bus drivers, and support staff maintain and operate zero-emission school bus fleets.

CTE programs will support training in zero-emission vehicle technology. These programs will train students for future careers in zero-emission transportation, including careers that will support facility operations staff to operate and maintain zero-emission school buses and infrastructure.

Why it Matters

According to Ecology's 2020 state emissions inventory, diesel engines emitted 2,500 tons of toxic diesel particulate emissions. Across the state, older, high-polluting vehicles and equipment are being replaced with newer, low-polluting vehicles and equipment as part of the natural diesel fleet turnover. However, this is not happening fast enough.

For 19 years, Ecology's clean diesel program has targeted high-polluting, heavy-duty diesel engines in areas disproportionately impacted by diesel emissions. The same communities have been historically burdened with inequitable financial, social, and environmental land use and transportation policies and programs. Between 2005 and 2023, over $104 million in pass-through funding to local entities helped reduce Washington's GHGs and diesel particulate emissions.

Zero-emission vehicle technology is crucial to protecting children, the elderly, and other vulnerable populations from the health impacts of fossil fuel emissions. Adopting zero-emission vehicle technology is:

- Needed to reduce serious physical health and cognitive development issues for children.

- Important for protecting children from low-income communities and communities of color that are disproportionately subjected to this harmful air pollution.

- Essential in limiting the long-term impacts of climate change.

In 2024, the Legislature passed ESHB 1368 requiring Ecology to administer a zero-emission school bus grant program to support the transition to zero-emission fleets. The intent of the legislation is to help transition school districts, charter schools, and state-Tribal education compact schools to using only zero-emission school buses.

What opportunity or problem is driving this request?
Of the approximately 10,400 school buses operating in Washington this year, about 2,100 diesel school buses do not meet EPA's 2010 nitrogen oxide (NOx) emissions standards, and 1,200 do not meet EPA's 2007 diesel particulate emissions standards.

As a result of Ecology's Clean Diesel Grant Program, Washington's school districts will have over 125 electric school buses in operation by the 2024-2025 school year. This is a significant accomplishment, but Washington's school bus fleet is still far from meeting emissions standards and is less than 1% of the way toward full electrification.

Depending on size and type, electric school buses cost $225,000 to $340,000 more than a comparable diesel school bus, not including the associated charging infrastructure. Ecology estimates it will cost an additional $450 million over the next nine years to replace diesel buses with zero-emission buses (including refueling infrastructure) before the total cost of ownership is the same for zero-emission school buses and diesel buses. This investment is substantial and will require

Description

several years to complete. Transforming the state's school bus fleet to zero-emissions without grant funding places an enormous financial strain on school district budgets.

This request will reduce the financial burden facing school districts by providing grant funding to replace old buses and close the gap between the cost of a zero-emission school bus and a conventional diesel school bus. Electric buses require less maintenance than conventional diesel buses, and with the high cost of diesel, transforming school bus fleets to zero-emissions will significantly reduce school transportation operating costs.

Diesel exhaust is the state's highest risk toxic air pollutant. The International Agency for Research on Cancer has concluded that diesel exhaust is carcinogenic to humans. It contains fine particles, carcinogenic substances, black carbon, nitrogen oxides, and carbon dioxide. Fine particles and the chemicals attached to the surface of those particles increase the risk of serious heart and lung diseases and some cancers. These particles also eventually fall to the ground in rain or dust and provide a way for toxic substances to get into stormwater and, ultimately, downstream water bodies, including Puget Sound. The nitrogen oxides contained in diesel exhaust react with other chemicals and sunlight in the atmosphere to create ozone—a toxic air pollutant known to cause serious adverse health effects. Carbon dioxide and black carbon emissions from diesel exhaust both contribute to climate change.

Widespread community exposure occurs when many engines operate or idle in concentrated areas. Communities clustered near major highways and road networks often include people who are economically disadvantaged, communities of color, and Tribal communities. These populations are disproportionately exposed to higher amounts of air pollution than people in other areas. It is an important public health and environmental justice concern and a high priority for Ecology to continue reducing these emissions.

Reducing children's and other vulnerable populations' exposure to diesel emissions is a high priority in both urban and rural areas. Although Ecology has made an initial investment to help Washington school districts purchase electric buses, additional funding is needed to allow more districts to access electric buses, understand the performance characteristics and economics of operating electric buses, and plan for further electrification efforts.

In summary, this request will:

- Reduce emissions that cause climate change.

- Reduce public exposure to harmful toxic and carcinogenic pollutants.

- Address the disproportionate impact of harmful pollutants on Washington's most vulnerable populations.

- Reduce health care costs for Washington residents.

- Reduce deposition of harmful pollutants to protect rivers, streams, lakes, and Puget Sound.

- Reduce fuel use and equipment operating and maintenance costs.

What are the specific benefits of this project?
This request will offset vehicle replacement costs and reduce maintenance and operation costs. It will provide real and immediate benefits to vulnerable members of our population, especially in areas that have been historically disproportionately impacted by diesel emissions. By investing in zero-emission school buses, we are investing in a healthier future for students and their communities.

Project Number: 40000659
Project Title: 2025-27 Reducing Diesel Greenhouse Gases (GHG) and Toxic Emissions

Description

By prioritizing funding projects that benefit people from vulnerable populations and overburdened communities, Ecology and state government will comply with state laws like the HEAL Act and Climate Commitment Act and create equitable benefits to help address disproportionate environmental and health burdens. Zero-emission school buses driving through neighborhoods help to demonstrate the feasibility of transforming both public and private vehicles and equipment to zero-emissions. This could help influence the children who ride zero-emission school buses, the parents of these children, and the neighborhood communities to one day purchase zero-emission vehicles.

This request is needed to implement recommendations in the Transportation Electrification Strategy (TES), a statutory requirement under RCW 43.393.040(1)(a), to equitably accelerate the transition to electric vehicles. TES recommendation 4.5 supports legislation and budget provisions to transition fossil-fueled school bus fleets to zero-emissions.

For medium- and heavy-duty vehicles (MHDVs), the ACT requires increasing new sales shares for larger vehicles, with 40%–75% ZEV sales required by 2035 depending on weight class. This request will support the ACT by funding and implementing MHDV incentive and infrastructure programs (TES recommendation 4.4).

The World Resource Institute (WRI) reports the exhaust from diesel school buses is harmful to students' physical health, putting them at risk for serious conditions like cancer and asthma. Diesel exhaust pollution is linked to negative cognitive development impacts, endangering students' academic progress and learning. Diesel-powered buses emit high levels of GHGs, directly contributing to climate change that increasingly threatens our children's future. Communities of color face higher on-road air pollution, as students from Black households, low-income students, and students with disabilities are all more likely to ride the school bus than their counterparts (https://electricschoolbusinitiative.org/why-we-need-transition-electric-school-buses). The EPA reports that replacing older, highly polluting school buses positively impacts student school attendance.

What are the effects of non-funding?
If this request is not funded:

- Ecology would not be able to support the Governor's and Legislature's policies and initiatives to address climate change and improve air quality and public health for vulnerable populations and in overburdened communities. In 2020, the Washington Legislature revised the state's long-term GHG emission reduction limit to 95% below 1990 levels by 2050.

- Ecology would not be able to support Washington's Electric Vehicle Coordinating Council's statewide TES, intended to ensure electric vehicle incentives and infrastructure are accessible and available to all people in Washington.

- Costs to Washington from climate change are projected to increase annually and would continue to do so under a no-action scenario. This includes increased costs of healthcare and energy. It also includes expenditures and lost revenue from storm damage, coastal erosion, wildfires, drought, and other natural events. A recent report by the University of Washington predicts Washington residents will be more vulnerable to extreme heat in the future due to the state's aging population, urbanization, and climate change. Climate models project average summer temperatures to increase by four to six degrees Fahrenheit in the Pacific Northwest in the 2050s relative to the last half of the 20th century. The number of extreme heat days is projected to increase on the order of fivefold by the 2050s (https://digital.lib.washington.edu/researchworks/handle/1773/50051?show=full).

- Ecology would not be able to apply funding as an important part of a state-level grant program to transform Washington's school bus fleet to zero-emissions. Transforming the state's school bus fleet without grant funding would place an enormous financial strain on school district budgets already challenged by budget shortfalls.

Project Number: 40000659
Project Title: 2025-27 Reducing Diesel Greenhouse Gases (GHG) and Toxic Emissions

Description

- Older, high-polluting diesel school bus engines would continue to generate toxic air pollutants for decades to come. This would affect our state's children, who breathe 50% more air per pound of body weight than adults do. In addition, schools would continue to reinvest in new diesel-powered school buses that will produce GHGs for at least another 20 years.

- High-polluting diesel engines would continue to expose many people from vulnerable populations, as well as overburdened communities, to excessive levels of highly toxic diesel emissions.

- Ecology would miss an opportunity to reduce future healthcare costs. Failing to fund this request would cause ongoing levels of serious disease with associated preventable future healthcare as much as $200 million. According to the EPA's calculations of health benefits, diesel emissions reduction projects are cost-effective, with monetized health benefits estimated to exceed federal funding by a factor of 10.

Why is this the best option or alternative?
Diesel equipment and vehicles tend to be extremely durable and are expensive to replace, upgrade, or retrofit, so a highly polluting diesel engine can remain in service for decades. This means relying on natural fleet turnover to drive the transition to electric vehicles will take generations, leaving Washington little chance of meeting the GHG emissions limits set by the Legislature and leaving communities across our state still exposed to toxic air pollution. Although electrification can be more than twice the cost of a standard diesel replacement, it is the only option to make the transformation to a zero-emission transportation system.

Financial incentives encourage owners to upgrade, replace, retrofit, or supplement engines and operating systems to make them cleaner. This grant program will accelerate the introduction of advanced technology, leading to reduced emissions significantly sooner than under normal fleet turnover. It will also provide fleet operators with the operational and financial experience needed to continue the transition to zero-emission vehicles.

How will clients be affected and services change if this project is funded?
There is an estimated need of approximately $450 million over the next nine years to replace diesel buses with zero-emission buses (including infrastructure) before the total cost of ownership achieves parity between zero-emission and diesel buses (Ecology ZE School Bus Transition Cost Model). This investment is substantial and will require several years to complete. Transforming the school bus fleet to zero-emissions without grant funding places an enormous financial strain on school district budgets.

This request will reduce the financial burden faced by school districts and local governments by providing grant funding to close the gap between the cost of zero-emission vehicles and conventional diesel vehicles, mainly by replacing diesel school buses with zero-emission buses and supporting other diesel- and fossil-fueled vehicle replacement with zero-emission equipment.

Focus on Equity:
Target Populations and Communities
This request will focus grant funding on creating environmental benefits for vulnerable populations and overburdened communities, including reducing or eliminating environmental harms and improving quality of life.

Large numbers of diesel engines operate in or near Washington's urban areas, ports, freight distribution centers, rail yards, schoolyards, and transportation corridors. As a result of historic and ongoing policies and social configurations, these are

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also the locations where low-income people and communities of color live and work. Diesel emission hotspots adversely impact vulnerable and general populations, and overburdened communities bear disproportionate burdens, experiencing an accumulation of multiple harms. Addressing diesel's contribution to this uneven distribution remains a critical environmental and health equity issue.

Target populations for this funding include students, school bus drivers, school staff, and people in communities exposed to diesel exhaust. Ecology will prioritize funding for overburdened communities, using tools like the Department of Health's Environmental Health Disparities (EHD) map, the EPA's Environmental Justice (EJ) Screen, and Ecology's air quality monitoring data. With these tools, Ecology has identified 16 overburdened communities highly impacted by air pollution, and we are already taking steps through the Climate Commitment Act to expand monitoring and reduce air pollution impacts within and together with overburdened communities. This grant program will greatly leverage this activity and will also include funding for Tribal projects and projects that impact Tribal lands.

Community Outreach and Engagement
Ecology's individual outreach to potential applicants provides funding information, technical information, and one-on-one technical assistance to complete funding applications. Ecology conducts technical workshops and listening sessions to hear from community members, school staff and students, and other potentially impacted groups to understand the needs of the community and solicit feedback on how we can update the program to best meet the needs of the communities we intend to serve. Updates can include streamlining the grant application process or adjusting grant guidelines to support school districts, bus owners, vocational training program administrators, and others to creatively solve implementation challenges. Ecology also conducts pre-application webinars as a touch point with potential applicants to provide relevant information, answer questions, and help prepare for developing and submitting applications.

Ecology is proactive with external communications to reach out to, explain, educate, and engage diverse audiences. Ecology's communication team maintains a public website to provide information about the programs funded by this request and advertise grant opportunities, prioritizing grant funding for overburdened communities. All materials provided in webinars and on Ecology's website are reviewed to ensure accessibility for all audiences. Ecology has also partnered with OSPI to provide additional outreach to rural, low-income school districts and small school districts.

Ecology program staff participate in workshops and conferences, like the Washington Association of Pupil Transportation annual meeting, to share information about Ecology's grant programs and encourage participation by stakeholders who are eligible grant recipients in rural, low-income school districts, small school districts, and districts in overburdened communities. There was no direct Tribal engagement in developing this request. Ecology is expanding our coordination efforts with Tribal governments to develop an EJ implementation plan. Ecology's efforts include developing a framework for Tribal consultation. When we take significant actions affecting Tribes' rights and interests, the framework will provide improved consultation and coordination.

Disproportional Impact Considerations
Diesel exhaust is the state's highest-risk toxic air pollutant. The International Agency for Research on Cancer has concluded that diesel exhaust is carcinogenic to humans. It contains fine particles, carcinogenic substances, black carbon, nitrogen oxides, and carbon dioxide. The nitrogen oxides contained in diesel exhaust react with other chemicals and sunlight in the atmosphere to create ozone—a toxic air pollutant known to cause serious adverse health effects. Carbon dioxide and black carbon emissions from diesel exhaust both contribute to climate change. Widespread community exposure occurs when many engines operate or idle in concentrated areas.

A 2024 Focus Sheet, the Air Quality Environmental Justice Report (https://apps.ecology.wa.gov/publications/SummaryPages/2402011), documents the disproportionate impact of criteria air pollutants, including particulates, for Washington's 16 overburdened communities highly impacted by air pollution as

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identified by Ecology.

Communities clustered near major highways and road networks are more likely to be economically disadvantaged and people of color, and these communities are exposed to higher amounts of air pollution than people in other areas. It is critical to continue to equitably prioritize providing environmental benefits to more disproportionately impacted areas to reduce the negative health impacts of diesel exposure for these vulnerable populations in overburdened communities.

Children riding the bus to school are exposed to higher amounts of harmful diesel pollution. Children are particularly vulnerable to the negative health impacts of diesel emissions. This funding will support school districts and other school bus owners in eliminating these harmful emissions, which will reduce the negative health impacts like asthma and lung disease for children across Washington.

Ecology is also working with Tribes whose lands have elevated levels of criteria air pollution to determine if these Tribes will self-select as “overburdened communities" and be prioritized for grant funding.

HEAL Act Agencies Supplemental Questions
See attached.

What is the agency’s proposed funding strategy for the project?
Ecology is requesting $21.3 million from the State Building Construction Account (SBCA) for this grant program. Ecology will either provide funds directly to local governments or provide local governments with state contractors to perform these services.

Ecology is requesting funding from SBCA since the Model Toxics Control Capital Account funds are limited based on the June 2024 Hazardous Substance Tax (HST) revenue forecast. SBCA funds have been used by the Legislature to support this program in past biennia.

Funding for this request includes $20,000 to maintain and update the grant or loan applications in the agency systems.

Are FTEs required to support this project?
This request will require a total of 4.6 FTEs to implement the clean diesel program, including evaluating client needs and solutions, soliciting applications, contracting with grant recipients, contracting with technology and service vendors, providing technical assistance, processing vendor/recipient payments, and closing grant awards. This request will fund an increase of 2.3 FTEs above the 2023-25 biennium funded level.

The additional staffing will allow the clean diesel program to continue to play a critical role in educating and supporting school districts and other fleet operators through the process of transitioning to zero-emission vehicles.

Please note that these FTEs support both this new appropriation and other related reappropriation projects under this capital program.

How does the project support the agency and statewide results?
This request is essential to achieving the following Ecology goals:

- Goal 1: Support and Engage Our Communities, Customers, and Employees because it will provide funding to support

Description

communities disproportionately impacted by toxic diesel emissions.

- Goal 2: Reduce and Prepare for Climate Impacts because it will reduce fuel use and greenhouse gas emissions, such as black carbon and carbon dioxide, that contribute to atmospheric warming and climate change.

- Goal 3: Prevent and Reduce Waste, Toxic Threats, and Pollution because it will reduce toxic diesel emissions that include cancer-causing fine particulates and poly aromatic hydrocarbons (PAHs).

- Goal 4: Protect and Manage our State's Waters because it will reduce pollutants emitted into the air that can be deposited onto surfaces that impact stormwater and runoff into Puget Sound and other water bodies.

This request is essential to achieving the Governor's Results Washington Goal 3: Sustainable Energy and Clean Environment because it will focus on combating climate change by directly reducing statewide toxic diesel emissions and increasing the number of zero-emission vehicles.

This request supports efforts under the Governor's Executive Order 18-02, Southern Resident Orca Recovery and Task Force, and contributes to Goal 5: Reduce the threat from climate change, including ocean acidification, to Southern Residents, the region's biodiversity, and ultimately, the well-being of Washington's people and economy by reducing greenhouse gas emissions. This request also broadly implements the following recommended priorities and actions in the 2021 Governor's Salmon Strategy Update:

- Strategic Priority: 1. Protect and restore vital salmon habitat.

- Action: 4b. Reduce greenhouse gas emissions by 2050, expand carbon sequestration programs, and improve habitat conditions.

Puget Sound recovery
This request supports the 2022-2026 Puget Sound Action Agenda implementation through Ongoing Program OGP_ECY32 Air - Reducing Diesel, GHG, and Toxic Emissions, the Air Quality Vital Sign, and through the following Strategies, Desired Outcomes, and Actions:

Strategies
- 8. Prevent Pollution - Prevent pollution by promoting the development and use of safer alternatives to toxic chemicals and ensuring proper disposal.

- 19. GHG Reductions and Carbon Sequestration - Advance and support efforts to reduce greenhouse gas emissions and increase carbon sequestration.

- 26. Human Health - Protect human health, considering disproportionate impacts on sensitive populations, through programs that educate communities and limit harmful exposures from air and water contaminants.

Desired Outcomes and Actions
- 2.1.1. Toxic hotspots where stormwater runoff or wastewater contain significant concentrations of numerous toxic chemicals reduced through improved source control and/or treatment

- 4.1.1. Better understand and communicate the effects of climate change on Puget Sound.

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/22/2024 2:20PM

Project Number: 40000659
Project Title: 2025-27 Reducing Diesel Greenhouse Gases (GHG) and Toxic Emissions

Description

- 4.2.1. Human-caused greenhouse gas emissions in Washington State reduced 95% below 2005 levels by 2050.

- 5.6.1. Levels and patterns of air pollution do not threaten Puget Sound communities or sensitive populations with adverse health outcomes.

- Action 40. Prioritize, prevent, and manage (regulations, permits, and incentives) chemicals of emerging concern.

- Action 136. Develop and implement plans, regulations, and incentives to reduce greenhouse gas emissions from all sources, especially primary emitting sources (those that account for more than 16 percent of emissions), including land use and transportation; electricity; residential, commercial, and industrial building; and heating.

- Action 199. Limit people's exposures to harmful air pollution.

How will the other state programs or units of government be affected if this project is funded?
This request will benefit school districts and local governments by providing funds to transform diesel school buses to zero-emission buses and replace vehicles and equipment to reduce pollution and lower operating costs. It will also support workforce and personnel training for electric vehicles and provide an increased focus on school bus fleet fueling/charging infrastructure. Grant funds will focus on reducing diesel emissions in high health risk, high-exposure areas and for vulnerable populations, including thousands of children who ride buses each year. School districts and local governments with limited resources will receive funds to make necessary equipment and vehicle upgrades that can save them money on fuel, maintenance, and capital equipment replacement costs.

Location
City: Statewide **County:** Statewide **Legislative District:** 098

Project Type
Grants

Grant Recipient Organization: Multiple entities
RCW that establishes grant: None
Application process used
Ecology will consider how the project will reduce exposure to overburdened communities and vulnerable populations (children, elderly, and those with existing disease). Ecology will use the best available tools to prioritize projects in overburdened communities and will also include funding for Tribal projects and projects that impact Tribal lands. Grant awards will be made considering the viability of technology or program proposed and estimated toxic and greenhouse gas emissions reduced because of the project. Ecology also ensures project costs are appropriate for the scope of the project when making awards. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts
N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	106,595,000				21,319,000

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/22/2024 2:20PM

Project Number: 40000659
Project Title: 2025-27 Reducing Diesel Greenhouse Gases (GHG) and Toxic Emissions

Funding

	Total	**106,595,000**	**0**	**0**	**0**	**21,319,000**

		Future Fiscal Periods			
		2027-29	**2029-31**	**2031-33**	**2033-35**
057-1	State Bldg Constr-State	21,319,000	21,319,000	21,319,000	21,319,000
	Total	**21,319,000**	**21,319,000**	**21,319,000**	**21,319,000**

Operating Impacts

No Operating Impact

2025-27 Biennial Budget HEAL Act Template

Background

HEAL Act requirements

The Healthy Environment for All Act (HEAL Act), Chapter 314, Laws of 2021 (RCW 70A.02) requires that "covered and opt in agencies" must implement the requirements of the HEAL Act. This includes the:

- Department of Ecology
- Department of Agriculture
- Department of Commerce
- Department of Health
- Department of Natural Resources
- Department of Transportation
- Puget Sound Partnership
- Office of the Attorney General

HEAL Act agencies that are considering a significant agency action initiated after July 1, 2023, are required to conduct an environmental justice assessment. RCW 70A.02.010(12) specifies that significant agency actions include:

- The development and adoption of significant legislative rules as defined in RCW 34.05.328.
- The development and adoption of any new grant or loan program that the agency is explicitly authorized or required by statute to implement.
- A capital project, grant, or loan award costing at least $12,000,000.
- A transportation project, grant, or loan costing at least $15,000,000.
- The submission of agency request legislation to the Office of the Governor or OFM.

Under RCW 70A.02.080, beginning on or before July 1, 2023, covered and opt in agencies must, where practicable, take specific actions when making expenditure decisions or developing budget requests to OFM and the Legislature for programs that address or may cause environmental harms or provide environmental benefits. This includes:

- Focus applicable expenditures on creating environmental benefits that are experienced by overburdened communities and vulnerable populations, including reducing or eliminating environmental harms, creating community and population resilience, and improving the quality of life of overburdened communities and vulnerable populations.
- Create opportunities for overburdened communities and vulnerable populations to meaningfully participate in agency expenditure decisions.
- Clearly articulate environmental justice goals and performance metrics to communicate the basis for agency expenditures.
- Establish a goal of directing 40% of grants and expenditures that create environmental benefits to vulnerable populations overburdened communities.

To help OFM understand how HEAL Act agency budget requests meet HEAL Act requirements, covered agencies are required to complete additional questions related to the HEAL Act. These questions are shown below and are in addition to the equity related questions required of all agencies. Covered agencies are asked to complete the following questions and submit them through ABS.

HEAL Act questions

If you answer YES to any of these bullet points, please answer the six additional questions and submit them as an attachment through ABS.

- Is this decision package part of an agency request legislation that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding to support another significant agency action that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding for a program/project/activity that may **provide environmental benefits or reduce, mitigate, or eliminate environmental harms**, (that is not a significant agency action)? Note: This may include decision packages for programs not purposely directed to provide environmental benefits but may have an indirect or unintentional impact.

  ☒ Yes

  ☐ No

If you answer YES to any of the above bullet points, please complete these additional questions.

1. Please describe specific likely or probable environmental harms and/or benefits related to your decision package and the associated health impacts to overburdened communities and vulnerable populations.

   Diesel exhaust is the state's highest risk toxic air pollutant. The International Agency for Research on Cancer has concluded that diesel exhaust is carcinogenic to humans. It contains fine particles, carcinogenic substances, black carbon, nitrogen oxides, and carbon dioxide. The nitrogen oxides contained in diesel exhaust react with other chemicals and sunlight in the atmosphere to create ozone – a toxic air pollutant known to cause serious adverse health effects. Carbon dioxide and black carbon emissions from diesel exhaust both contribute to climate change. Widespread community exposure occurs when many engines operate or idle in concentrated areas.

Communities clustered near major highways and road networks, which are more likely to be economically disadvantaged and people of color, are exposed to higher amounts of air pollution than people in other areas are. This funding will prioritize projects in overburdened and vulnerable populations, reducing exposure to harmful diesel pollution.

School children riding the bus to school are exposed to higher amounts of harmful diesel pollution. Children are particularly vulnerable to the negative health impacts of diesel emission. This funding will support school districts and other school bus owners in eliminating these harmful emissions, reducing the negative health impacts like asthma and lung disease for children across Washington.

2. Please describe the estimated percentage and amount of the requested funds that will go towards creating environmental benefits in overburdened communities and vulnerable populations as defined in OFM's the OBC map or as determined by the agency. If applicable, please include your methodology for making this estimate, including project/award lists if available.

   The estimated percentage and amount of requested funds that will go towards creating environmental benefits in overburdened communities and vulnerable populations is 42% and $8.4 million respectively. The estimate is based on state fiscal year 2023-2025 zero emission school bus awards as of 7/25/2024. Overburdened communities and vulnerable populations are determined by the agency as highly impacted communities identified by the Department of Health Environmental Disparities (EHD) map (RCW 70A.02.010) and populations defined as overburdened communities that are historically overburdened with health, social, and environmental inequities and are highly impacted by criteria air pollution (RCW 70A.65.020).

3. Please describe any potential significant impacts to Indian Tribes' rights and interest in their tribal lands, as well as traditional practices.

   The Department of Health designates highly impacted communities (overburdened communities) as any census tract with a 9 or 10 overall rank on the Environmental Health Disparities (EHD) map, or any census tract intersecting tribal lands. Ecology is also working with Tribes whose lands have elevated levels of criteria air pollution to determine if these Tribes will self-select as "overburdened communities" and be prioritized for program funding. Diesel and fossil fueled school buses create toxic criteria air pollutants known to cause serious adverse health effects that can impact tribal lands. Capital project funding will be used to build a healthier environment, ensure no community is overburdened by environmental pollution, and strive to eliminate environmental and health disparities.

4. Describe how your agency engaged with Tribes in developing this proposal, including offers for tribal consultation including timelines, methods for feedback, and mechanisms for Tribes to express concern, opposition, or support., and any direction provided by Tribes through this engagement.

   There was no direct tribal engagement in developing this proposal. Ecology is expanding our coordination efforts with tribal governments to develop an environmental justice implementation plan. Ecology's efforts include developing a framework for tribal

consultation. When we take significant actions affecting Tribes' rights and interests, the framework will provide improved consultation and coordination.

5. If the decision package is part of agency request legislation or supports another significant agency action that is required to complete an environmental justice assessment under RCW 70A.02.010(12), please submit the assessment as an attachment in ABS.

   An Environmental Justice Assessment was not completed because the decision package does not include a significant agency action as specified in RCW 70A.02.010(12).

6. If the decision package is part of agency request legislation or constitutes a significant agency action that is required to complete an environmental justice assessment, please describe how your agency used the environmental justice assessment process to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits. If your agency determined that you were unable to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits, please provide a justification for not doing so.

   An Environmental Justice Assessment was not completed because the decision package does not include a significant agency action as specified in RCW 70A.02.010(12).

OFM

461 - Department of Ecology
Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/30/2024 9:33AM

Project Number: **40000719**
Project Title: **2025-27 PFAS Response**

Description

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 12

Project Summary

Per- and polyfluoroalkyl substances (PFAS) are a family of more than 12,000 synthetic organic chemicals used in many products, including waterproof clothing, furniture, food packaging, and firefighting foam. Recently, there have been significant regulatory changes, including new federal drinking water standards and proposed federal PFAS waste regulations that will affect some cleanup sites. Ecology requests additional funding and staff resources to 1) decontaminate fire engines across the state and 2) conduct sampling to identify contaminated sites, initiate the cleanup process, and provide safe drinking water as an interim action during cleanups. This request supports a series of recommended actions in the PFAS Statewide Funding Strategy that were required in section 3035 of the 2023-25 capital budget and is directly related to implementing the Governor's Salmon Strategy. (State Building Construction Account)

Project Description

What is the proposed project?

Ecology is requesting a total of $5 million for the following projects:

Fire Engine Decontamination Project

As fire departments across the state switch to fluorine-free firefighting foam, they risk contaminating their new foam and the environment unless they deep clean their fire engines and other equipment previously used to deploy PFAS-containing foam (commonly called AFFF). Ecology needs funding to address this critical source of PFAS contamination by supporting a deep cleaning program for fire engines and equipment that have previously used PFAS-containing foams.

Ecology is currently completing a comprehensive review of the environmental and public health impacts related to collecting, transporting, and disposing of PFAS-containing firefighting foam managed by Washington's municipal fire departments. Over 130 fire departments have responded to Ecology's survey, identifying approximately 60,000 gallons of foam that need disposal.

However, after addressing the disposal issue, fire departments will face the challenge of deep cleaning their engines and other apparatus contaminated with PFAS foam. Without this cleaning, safer fluorine-free foams will become contaminated with residual PFAS used in this equipment.

Ecology is requesting $2 million to clean contaminated vehicles and address a potentially large source of PFAS pollution. These funds will be used to thoroughly clean fire engines and other firefighting equipment (primarily at airports) that have been exposed to PFAS-containing firefighting foam.

This funding will support the deep cleaning of approximately 50 fire engines, either through the hiring of a contractor or reimbursement. This cleaning process involves injecting a hot water and detergent mixture into the trucks' contaminated tanks, pipes, and nozzles. The cleaning process takes roughly a week and costs between $50,000 and $70,000 per vehicle. Costs can be reduced to the lower end through economies of scale by washing large numbers of vehicles at a single location during a set time period. This funding request will allow Ecology to take advantage of this option.

Contaminated Site Identification and Remediation

Ecology is seeking funding for sampling to help identify contaminated sites, initiate the cleanup process, and provide safe drinking water as an interim action during cleanups. These funds will allow Ecology to readily respond to emergent needs throughout the biennium and start the cleanup process, which will also help identify specific PFAS cleanup investments in future biennia.

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$3 million is requested to support initial sampling and interim actions, such as providing safe drinking water for sites identified to have PFAS contamination.

There are over 14,000 sites across the state that have confirmed or suspected contamination of some type, including 74 sites with confirmed or suspected PFAS contamination. There are also a total of 935 landfills, dry cleaners, and metal plating and finishing sites in Washington that have the potential to be contaminated with PFAS. Ecology expects that PFAS contamination will result in the addition of many new sites and has the potential to reopen sites previously considered closed, including many with impacts to drinking water.

The cleanup work supported through this request will be done through a combination of direct actions by the state, contributions from potentially liable parties, and interagency agreements with affected local governments, resource agencies, and Tribes. Incentives will be used to speed cleanup and encourage cooperative cleanups.

What opportunity or problem is driving this request?
PFAS continues to be found in drinking water, surface water, groundwater, soil, sediments, air, animal and fish tissue, milk, and crops. State agencies are still in the early stages of determining where PFAS is most prevalent in the state of Washington, where people are being exposed at unhealthy levels, and where it needs to be cleaned up.

Several drinking water sources, both public and private, have been identified as contaminated by PFAS and are unsafe for human consumption. Ecology currently manages over 38 confirmed PFAS cleanup sites across Washington and is aware of 36 sites that are suspected to be contaminated with PFAS, including facilities such as airports and fire stations. There are also a total of 935 landfills, dry cleaners, and metal plating and finishing sites in Washington that have the potential to be contaminated with PFAS.

PFAS Statewide Funding Strategy
As part of the 2023-25 capital budget, the Legislature directed Ecology to work with the Department of Health (DOH) to develop a multiyear statewide funding strategy for reducing PFAS in the environment. This funding strategy report is due to the legislature on December 1, 2024.

Sec. 3035. FOR THE DEPARTMENT OF ECOLOGY
PFAS Statewide Funding Strategy (91000382)
The appropriation in this section is subject to the following conditions and limitations: The appropriation in this section is provided solely for the department, in consultation with the department of health, to develop a multiyear statewide funding strategy for reducing perfluoroalkyl and polyfluoroalkyl substances (PFAS) in the environment. The strategy must build upon the recommendations contained in the department's 2022 per- and polyfluoroalkyl substances chemical action plan and focus on funding for future capital projects related to safe drinking water, managing environmental contamination, and evaluating perfluoroalkyl and polyfluoroalkyl substances waste management options. The department must submit the strategy in a report to the governor and the appropriate fiscal and policy committees of the legislature by December 1, 2024. It is the intent of the legislature to identify future funding sources for perfluoroalkyl and polyfluoroalkyl substance mitigation, informed by the strategy developed under this section, that do not include the model toxics control capital account.

This request supports a series of the recommended actions that will be included in this strategy.

Fire Engine Decontamination Project
PFAS-containing firefighting foam is one of the largest sources of PFAS contamination in ground and drinking water. Fire departments recognize the threat PFAS foam poses to public health and the environment, and they are transitioning to fluorine-free foam. However, before fire departments can begin using fluorine-free firefighting foam, the equipment previously

Description

used with PFAS-containing foam must be deep cleaned to prevent continued contamination.

Many of Washington's fire departments do not have the resources to clean their vehicles. Ecology's fire engine decontamination project will provide funding, technical support, guidance, and other resources to implement an effective, consistent, and economical deep-cleaning program.

Contaminated Site Identification and Remediation
Because the universe of PFAS cleanup sites in Washington is still being determined, the need to handle PFAS contamination is currently in an emergent state. PFAS has been found in drinking water across Washington at levels that are potentially harmful to people and the environment. There is a need to be more responsive by providing safe drinking water to communities we already know are impacted, determining what other communities are impacted, and beginning the cleanup process. Initial investigations, which include sampling, are critical for Ecology to determine communities impacted by PFAS in drinking water. These investigations start the cleanup process and lead to source identification and, in some cases, identification of liable parties that could potentially contribute to cleanup.

What are the specific benefits of this project?

Fire Engine Decontamination Project
This project will allow Ecology to conduct the program in one of two ways. First, Ecology could hire a contractor to conduct the deep-cleaning program. Hiring a contractor will allow us to use experts in decontamination processes and centralize and standardize the deep-cleaning program. This process will ensure consistent and effective cleaning.

Second, Ecology could develop a reimbursement project. Under this option, individual fire departments will hire a contractor to conduct the deep-cleaning program. A reimbursement program will allow fire departments more flexibility on when and where to conduct the cleaning. It will also minimize expenditures on things like staff time.

Implementing the deep cleaning program, either through a contractor hired by Ecology or an Ecology run reimbursement program, will result in the deep cleaning of a minimum of 50 vehicles. Estimating the economic benefit of preventing contamination is extremely difficult. We do know that cleaning and disposing of PFAS contamination is very expensive. Deep cleaning these vehicles will reduce a large PFAS source, eliminating future costs associated with cleanup, remediation, and disposal.

Contaminated Site Identification and Remediation
This work will benefit Washingtonians by beginning the process for PFAS cleanups throughout the state. Specifically, benefits of this request include:

• Reduced exposure to PFAS and associated health risks.
• Identifying communities impacted by PFAS and providing safe drinking water.
• Starting the cleanup process for contaminated PFAS sites, including liable party identification.
• Reduced environment and public exposure to PFAS as work progresses on these sites, including through interim actions for clean drinking water.

This funding will help determine the extent of PFAS contamination and begin the formal cleanup process to better quantify needs. In the case of local government projects, this could provide a critical step to initiating investigations for cleanup and moving the project to be ready to apply for a Remedial Action Grant in the 2027-29 biennium.

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Project Title: 2025-27 PFAS Response

Description

What are the effects of non-funding?

Fire Engine Decontamination Project
If this request is not funded, large sources of potential PFAS pollution may go unaddressed. Fire departments and facilities would need to secure other funds to deep clean their vehicles, which could be a burden on those communities. Some departments may decide to forgo adequately cleaning their vehicles, resulting in contamination of the fluorine-free firefighting foam when used in an emergency or spilled. Using the contaminated foam could then result in pollution of the ground and drinking water.

Contaminated Site Identification and Remediation
Not funding this request would limit Ecology's ability to respond to emergent needs, such as providing safe drinking water and conducting initial investigations related to PFAS contamination. As a result, impacted communities could continue to have prolonged exposure, including through drinking water, and PFAS cleanup sites would be unlikely to begin the cleanup process. The initial funding will be critical to identifying impacted communities, contamination sources, liable parties, and future financial needs to move the site forward.

Why is this the best option or alternative?

Fire Engine Decontamination Project
Deep cleaning firefighting vehicles and equipment is expensive; decontamination of a single fire engine can cost between $50,000 and $70,000. Replacing contaminated vehicles can be even more costly. A new fire engine costs upwards of $1 million. Many fire departments do not have the funding needed to clean their vehicles, let alone replace them. State funding is needed to ensure these vehicles and equipment are cleaned adequately to minimize PFAS contamination.

Contaminated Site Identification and Remediation
During the 2023-25 biennium, Ecology repurposed existing funds where possible to meet emerging PFAS needs. This included a sampling contract to try and identify the source of PFAS contamination on San Juan Island and a drinking water contract in the West Plains. Ecology's ability to repurpose existing funds in the future is limited, and our efforts will benefit greatly from a capital appropriation to support this work next biennium.

During the 2025-27 Remedial Action Grant solicitation for local governments conducted in February 2024, no Oversight Remedial Action Grants (cleanups under a formal order or decree) identified PFAS as a primary contaminant of concern. State-directed work conducted by Ecology, due to fund balance, has been largely restricted to ongoing projects. Ecology will consider how best to incorporate PFAS-related cleanups into future budget requests in subsequent biennia. However, the need for funding to support emergent needs for sampling and safe drinking water supplies is expected to continue as additional sites are identified.

This funding is requested from the State Building Construction Account (SBCA) consistent with the proviso for the PFAS Statewide Funding Strategy instructing Ecology to identify sources other than the MTCA Capital Account to support PFAS-related work.

How will clients be affected and services change if this project is funded?

Fire Engine Decontamination Project
If funding is provided, fire departments across the state will have access to an additional funding source to allow them to deep clean their vehicles. To date, only two fire departments have begun cleaning their vehicles. Others are waiting to see what support state and federal governments will provide.

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Contaminated Site Identification and Remediation
This request will provide critical resources to identify impacted communities, initiate the cleanup process, and provide safe drinking water to impacted communities as an interim action. Being able to start the process and respond dynamically is critical to supporting communities throughout the state to ensure they have safe drinking water. Currently, there is no dedicated funding to support this work.

Focus on Equity

Target Populations and Communities:
Fire Engine Decontamination Project
The target population for this program is Washington municipal and airport fire departments. This program will benefit those who live near fire departments that store or use AFFF or near locations where AFFF or contaminated fluorine-free foam is used.

Contaminated Site Identification and Remediation
The regulatory environment for PFAS is new and constantly changing. We are still in the early stages of identifying cleanup sites contaminated with PFAS. However, of the 74 sites where PFAS is currently confirmed or suspected, 36% score a 9 or 10 on the Environmental Health Disparities (EHD) Index from the Department of Health's EHD Map; 32% score in the 80th percentile on the Environmental Justice (EJ) Screen for the Demographic Index; and 25% score in the 80th percentile on the EJ Screen for the Supplemental Demographic Index. In addition, 47% flag on the Office of Financial Management's Overburdened Communities of Washington State dataset by 2010 Census Tracts.

The work carried out under this request is directly intended to help mitigate harm to overburdened communities and vulnerable populations by identifying PFAS contamination in communities where human health may be affected through drinking water, irrigation use, and eating locally caught fish. Ecology's PFAS investigations are designed to help bridge funding gaps to address contamination in areas of the state that are under-resourced.

Community Outreach and Engagement:
No outreach or engagement has been conducted related to this request. However, we have engaged with a variety of interested parties related to the PFAS Statewide Funding Strategy, which this request is intended to support. Those stakeholders were supportive of doing as much as possible related to PFAS prevention, remediation, and testing.

Disproportional Impact Considerations:
Fire Engine Decontamination Project
Ground and drinking water in communities across the state are contaminated with PFAS. Many of these communities, like Lakewood and Vancouver, score 8 or more on the Washington Tracking Network. One of the primary sources of PFAS pollution is the use or accidental release of AFFF. Providing deep-cleaning services will reduce PFAS contamination of additional drinking water sources.

Contaminated Site Identification and Remediation
This request will protect the health and environment of likely vulnerable populations and overburdened communities from contamination at cleanup sites across the state. This request will allow Ecology to investigate possible sources of contamination, including in overburdened communities.

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Project Title: 2025-27 PFAS Response

Description

HEAL Act Agencies Supplemental Questions
See attached.

What is the agency's proposed funding strategy for the project?
Funding is requested from the SBCA, consistent with the proviso for the PFAS Statewide Funding Strategy instructing Ecology to identify sources other than the Model Toxics Control (MTCA) Capital Account to support PFAS-related work. The Legislature has previously funded similar work out of the SBCA.

Are FTEs required to support this project?
This request requires a total of 0.58 FTE to assist in developing project resources, such as vouchers, and distributing Ecology's deep cleaning guidance. Staff will also help identify and communicate with qualifying fire departments and track deep-cleaning project funds.

How does the project support the agency and statewide results?
This request is essential to achieving the following Ecology Goal 3: Prevent and reduce waste, toxic threats, and pollution.

This request is essential to achieving the following Governor's Results Washington goals:

- Goal 3: Sustainable Energy and a Clean Environment
- Goal 4: Healthy and Safe Communities

This request will provide critical resources to identify impacted communities, initiate the cleanup process, and provide safe drinking water as an interim action. Being able to start the process and respond dynamically is critical to supporting communities throughout the state. This may also allow us to set up projects for sequential funding and phases of cleanup.

This request also directly implements the following recommended priority and action in the 2021 Governor's Salmon Strategy update:

- Strategic Priority: 2. Invest in clean water infrastructure for salmon and people
- Action: 2a. Improves stormwater management

Puget Sound recovery
This request also supports the 2022-2026 Puget Sound Action Agenda implementation through various Vital Signs, Strategies, Targets, Desired Outcomes, Actions, Ongoing Programs, and Science Work Plan included in the Action Agenda. See attachment A for a complete list of linkages between this request and the agenda.

This request also supports Orca Task Force Recommendation 30. Identify, prioritize and take action on chemicals that impact orcas and their prey.

How will the other state programs or units of government be affected if this project is funded?
This request will help provide timely support to communities impacted by PFAS for both investigation and safe drinking water. Both actions will provide support to local governments and other state agencies as longer-term strategies for both cleanup and drinking water are identified.

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/30/2024 9:33AM

Project Number: 40000719
Project Title: 2025-27 PFAS Response

Description

What is the impact on the state operating budget?
This request will be expedited by the 4.6 FTEs requested in the operating budget (PFAS Response) for staff to support PFAS related cleanups.

Location
City: Statewide **County:** Statewide **Legislative District:** 098

Project Type
Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A
Application process used
N/A

Growth Management impacts
N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	New Approps
057-1	State Bldg Constr-State	45,000,000				5,000,000
	Total	**45,000,000**	**0**	**0**	**0**	**5,000,000**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State	10,000,000	10,000,000	10,000,000	10,000,000
	Total	**10,000,000**	**10,000,000**	**10,000,000**	**10,000,000**

Operating Impacts

Total one time start up and ongoing operating costs

Acct Code	Account Title	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030
FTE	Full Time Employee	4.6	4.6	4.6	4.6	4.6
001-1	General Fund-State	791,000	791,000	791,000	791,000	791,000
	Total	**791,000**	**791,000**	**791,000**	**791,000**	**791,000**

Narrative
This request will be expedited by the 4.6 FTEs requested in the operating budget (PFAS Response) for staff to support PFAS related cleanups.

Attachment A

Linkages to Puget Sound Action Agenda Implementation

This attachment provides additional supporting details for the following capital project request (CPR) as it relates to the Puget Sound 2022-2026 Action Agenda implementation.

CPR Title: 2025-27 PFAS Response

Vital Signs

- Freshwater
- Marine Water
- Streams and Floodplains
- Toxics in Aquatic Life
- Estuaries
- Forests and Wetlands
- Forage Fish
- Groundfish and Benthic Invertebrates
- Orcas
- Salmon
- Outdoor Activity
- Shellfish Beds
- Economic Vitality
- Good Governance
- Sense of Place
- Sound Stewardship

Strategies

- 2. Protect Working Lands
- 7. Freshwater Availability
- 8. Prevent Pollution
- 10. Stormwater Runoff and Legacy Contamination
- 11. Wastewater Systems
- 12. Working Lands Runoff
- 22. Recreation and Stewardship
- 23. Transparent and Inclusive Governance
- 24. Cultural Practices
- 25. Natural Resource Industries
- 26. Human Health
- A. Funding
- B. Strategic Leadership & Collaboration

Targets - Reduce the amount of toxic chemicals used or generated hazardous waste an additional 8,000 pounds above their existing goal of 160,000 pound and realize an additional cost savings for participating businesses of $20,000 above their existing cost-savings goal of $400,000

Desired Outcomes

- 2.1 Reduce toxic chemicals entering Puget Sound and connected waters, including from contaminated sediments and industrial lands
- 5.2 Engagement in and trust of Puget Sound environmental and natural resource

governance is increased.

- 5.3 Participation in environmentally related cultural practices and opportunities for harvesting of quality local foods are enhanced.
- 5.6.2 Levels and patterns of contaminants in drinking water do not threaten Puget Sound communities or vulnerable populations with adverse health outcomes.
- 5.6.3 Levels and patterns of contamination in fish and shellfish harvested from Puget Sound waters do not threaten the health of Puget Sound communities or vulnerable populations.
- 5.6.4 Levels and patterns of pollutants and biotoxins in surface waters do not threaten the health of Puget Sound communities or vulnerable populations.

Actions

- 33. Incentivize redevelopment in areas associated with high loads of toxic chemicals.
- 41. Find and fix toxic hotspots (information, planning, education, funding, and implementation).
- 78. Engage with community groups, educational institutions, and communication specialists to develop and share relevant, trans-created, and accessible information on civic engagement and decision-making opportunities.
- 96. Conduct and coordinate research to improve the understanding of ecosystem-industry interactions, opportunities, and benefits.
- 126. Build issue awareness and understanding to increase public support and engagement in recovery actions.
- 128. Advance diversity, equity, inclusion, and environmental justice in Puget Sound recovery efforts.
- 147. Increase legislative support to accelerate funding and implementation of projects, programs, and initiatives that reduce emissions and decrease the vulnerability of Puget Sound to changing climate and ocean conditions.
- 149. Increase availability of data, tools, and training, and increase the technical capacity of partners in the recovery community, to reduce the magnitude of and vulnerability to climate change, and advance adaptation of the Puget Sound socio-ecological system.
- 150. Ensure that vulnerable populations and underserved communities are welcomed and engaged as full partners and support the priorities identified by communities when working to decrease the magnitude of climate change, advance climate change adaptation, and increase resilience to climate change.
- 161. Ecosystem recovery processes and decision making are inclusive of a broader set of committed stakeholders, including vulnerable populations and underserved communities, and diverse forms of knowledge.

Ongoing Program

- OGP_ECY54 Hazardous Waste and Toxics Reduction - Reducing Toxic Threats, Safer Products WA, Chemicals in Products Compliance

Orca Task Force Recommendations

- 30. Identify, prioritize and take action on chemicals that impact orcas and their prey.

Science Work Plan

- 7. PRIMARY: Characterize human health and environmental risks from chemicals of emerging concern
- 8. PRIMARY: Assess toxic contaminant sources, (both historic and ongoing) and prioritize their clean-up or replacement based on environmental and human health impacts

2025-27 Biennial Budget HEAL Act Template

Background

HEAL Act requirements

The Healthy Environment for All Act (HEAL Act), Chapter 314, Laws of 2021 (RCW 70A.02) requires that "covered and opt in agencies" must implement the requirements of the HEAL Act. This includes the:

- Department of Ecology
- Department of Agriculture
- Department of Commerce
- Department of Health
- Department of Natural Resources
- Department of Transportation
- Puget Sound Partnership
- Office of the Attorney General

HEAL Act agencies that are considering a significant agency action initiated after July 1, 2023, are required to conduct an environmental justice assessment. RCW 70A.02.010(12) specifies that significant agency actions include:

- The development and adoption of significant legislative rules as defined in RCW 34.05.328.
- The development and adoption of any new grant or loan program that the agency is explicitly authorized or required by statute to implement.
- A capital project, grant, or loan award costing at least $12,000,000.
- A transportation project, grant, or loan costing at least $15,000,000.
- The submission of agency request legislation to the Office of the Governor or OFM.

Under RCW 70A.02.080, beginning on or before July 1, 2023, covered and opt in agencies must, where practicable, take specific actions when making expenditure decisions or developing budget requests to OFM and the Legislature for programs that address or may cause environmental harms or provide environmental benefits. This includes:

- Focus applicable expenditures on creating environmental benefits that are experienced by overburdened communities and vulnerable populations, including reducing or eliminating environmental harms, creating community and population resilience, and improving the quality of life of overburdened communities and vulnerable populations.
- Create opportunities for overburdened communities and vulnerable populations to meaningfully participate in agency expenditure decisions.
- Clearly articulate environmental justice goals and performance metrics to communicate the basis for agency expenditures.
- Establish a goal of directing 40% of grants and expenditures that create environmental benefits to vulnerable populations overburdened communities.

To help OFM understand how HEAL Act agency budget requests meet HEAL Act requirements, covered agencies are required to complete additional questions related to the HEAL Act. These questions are shown below and are in addition to the equity related questions required of all agencies. Covered agencies are asked to complete the following questions and submit them through ABS.

HEAL Act questions

If you answer YES to any of these bullet points, please answer the six additional questions and submit them as an attachment through ABS.

- Is this decision package part of an agency request legislation that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding to support another significant agency action that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding for a program/project/activity that may **provide environmental benefits or reduce, mitigate, or eliminate environmental harms**, (that is not a significant agency action)? Note: This may include decision packages for programs not purposely directed to provide environmental benefits but may have an indirect or unintentional impact.

  ☒ Yes

  ☐ No

If you answer YES to any of the above bullet points, please complete these additional questions.

1. Please describe specific likely or probable environmental harms and/or benefits related to your decision package and the associated health impacts to overburdened communities and vulnerable populations.

   Ecology's fire engine deep cleaning project will reduce PFAS contamination of ground and drinking water by removing residual PFAS coating the interior of fire engines and fire equipment.

2. Please describe the estimated percentage and amount of the requested funds that will go towards creating environmental benefits in overburdened communities and vulnerable populations as defined in OFM's the OBC map or as determined by the agency. If applicable, please include your methodology for making this estimate, including project/award lists if available.

   $2 million

3. Please describe any potential significant impacts to Indian Tribes' rights and interest in their tribal lands, as well as traditional practices.

   There are several fire departments on Tribal land that would benefit from the deep cleaning of their vehicles. Deep cleaning these vehicles would minimize the potential spread of PFAS pollution on these tribals lands thereby better protecting public health and the environment.

4. Describe how your agency engaged with Tribes in developing this proposal, including offers for tribal consultation including timelines, methods for feedback, and mechanisms for Tribes to express concern, opposition, or support., and any direction provided by Tribes through this engagement.

   Ecology has yet to develop the deep cleaning program. However, once initiated we would work with our Tribal liaison, our tribal contacts, and tribal serving fire departments to ensure their meaningful participation in the deep cleaning program. This engagement would include a webpage, fact sheets, guidance, and information on how to participate, as well as, tribal specific communications and emails, as well as webinars explaining the program.

5. If the decision package is part of agency request legislation or supports another significant agency action that is required to complete an environmental justice assessment under RCW 70A.02.010(12), please submit the assessment as an attachment in ABS.

   N/A

6. If the decision package is part of agency request legislation or constitutes a significant agency action that is required to complete an environmental justice assessment, please describe how your agency used the environmental justice assessment process to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits. If your agency determined that you were unable to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits, please provide a justification for not doing so.

   N/A

OFM

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/8/2024 10:46AM

Project Number: 40000628
Project Title: 2025-27 Eastern Washington Clean Sites Initiative

Description

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 13

Project Summary

There are properties in Eastern Washington contaminated with hazardous wastes that have been abandoned or have owners unwilling or unable to pay for site investigation and cleanup. Without cleanup, these sites pose threats to public health, the environment, groundwater, and fish and wildlife resources. Cleaning up these sites protects public and environmental health, creates jobs, and promotes economic growth as the sites are redeveloped. This request will continue the initiative to have a statewide cleanup program by making investments outside of the Puget Sound Basin and Western Washington. (Model Toxics Control Capital Account)

Project Description

What is the proposed project?

Ecology is requesting $16.25 million for remediation activities on contaminated sites in Eastern Washington. By focusing resources directly to the communities east of the Cascade Mountains, Ecology will have the resources to fund cleanup work related to metals contamination, leaking underground storage tanks, landfills, salvage yards, and wood treatment facilities. The funds will be used to pay for cleanup at contaminated sites where the responsible party (land user, facility operator, or property owner) is either unwilling or unable to pay costs related to the cleanup activities. Ecology will recover cleanup costs where possible.

Attached is a prioritized list of projects this request will fund. Ecology has reviewed the projects, and they are ready to proceed according to the Model Toxics Control Act (MTCA) regulatory process, which informs project prioritization. Ecology's Toxics Cleanup Program guides all cleanup projects through MTCA's regulatory process and requirements, including those seeking state capital budget funding. MTCA requires all cleanup projects proceed through the following phases:

1. Assessment: All projects are prioritized based on human health and environmental risks. Cleanup projects address risks from exposure to contaminated soil, groundwater, surface water, sediment, or air. These exposures pose human health risks from contacting contaminated soils, drinking polluted water, consuming fish and shellfish, inhaling toxic vapors, or a combination of the above.

2. Remedial Investigation: Remedial investigations define the nature, extent, and magnitude of contamination on all projects.

3. Feasibility Study: Feasibility studies are conducted on all projects and include alternative analysis, cost-benefit analysis, long-term or life-cycle cost analysis, and cleanup technology preferences.

4. Cleanup Action Plan: Based on the remedial investigation and feasibility study, a cleanup action plan is developed that describes the selected cleanup action, the standards it must meet, monitoring requirements, and schedule – including any time-critical elements.

5. Comment: The public is encouraged to review and comment on the projects' investigations, feasibility studies, and cleanup plans during public comment periods.

6. Cleanup: Design, construction, operations, and monitoring of the cleanup. A cleanup is complete when Ecology determines cleanup standards have been met. This phase includes projects that are ready to proceed, are in construction, have permits or are in the permitting process, where design is complete or underway, or are under contract.

In addition to project evaluation according to the MTCA regulatory process, projects on the list are prioritized based on:

Project Number: 40000628
Project Title: 2025-27 Eastern Washington Clean Sites Initiative

Description

1. Continuing investments at sites with ongoing cleanup projects.
Cleanups can take many years following the contamination of a site with toxic chemicals. Three major factors determine the length of time for cleanup; the administrative process used (Ecology-conducted or supervised versus independent cleanup), the nature of contaminants (how difficult they are to remediate), and the type of contaminated media (soil, groundwater, sediments, etc.). Ecology established an ideal target for achieving site cleanup within five years, and we have been actively working toward this target by using model remedies and developing tools and policies to help achieve cleanup faster.

Financial certainty for cleanup project development is critical to ensure existing projects are completed as envisioned and new projects can be planned and designed to maximize environmental and public health improvements and economic development opportunities. In the project prioritization process, Ecology considers the next phase of funding needed to keep existing cleanup projects moving forward.

2. Acuity of need, readiness to proceed, cost-efficiency, purposes of increasing affordable housing, or need to ensure geographic distribution. Ecology used these criteria over the past three biennia to guide project priority.

3. Ability to reduce the toxic threat to vulnerable populations and overburdened communities living in proximity to contaminated sites.

4. Where groups of projects met all the same budget prioritization criteria, projects were further ranked considering Ecology's regional and program priorities.

5. Reviewing current information from our partners and Ecology's regional cleanup managers on the status of projects to further refine the prioritization. For example, considering the construction stage of projects, schedule changes, whether permits are in hand, if projects are ready to bid, and if projects leverage other funds.

What opportunity or problem is driving this request?
The Eastern Washington Clean Sites Initiative was created to ensure projects throughout the state, not just the Puget Sound area, receive funding for remediation activities on contaminated sites. Without this program, communities in Eastern Washington would continue to be impacted by hazardous substances and degraded water resources. Ecology would fall short of its strategy to have a statewide cleanup program.

What are the specific benefits of this project?
Cleaning up contaminated sites in Eastern Washington will yield the following benefits:

- Reduced exposure of hazardous substances to the environment and public as work progresses on these sites.

- Economic redevelopment as abandoned sites move through the cleanup process.

Cleaning up contaminated property is usually integrated with economic redevelopment, habitat restoration, and public recreation projects. Most cleanup projects are the first phase of a larger community or economic redevelopment project where the cleanup site is the focal point of the project.

This request will also provide economic benefits to the state by creating up to 49 jobs during the next four years based on Office of Financial Management estimates.

Project Number: 40000628
Project Title: 2025-27 Eastern Washington Clean Sites Initiative

Description

What are the effects of non-funding?
If this request is not funded, Eastern Washington cleanup projects would not be completed and new projects would not be started. Eastern Washington work would be underfunded, particularly if investments continue at cleanup sites in and around Puget Sound. Communities in Eastern Washington would continue to be impacted by hazardous substances and degraded water resources. Ecology would fall short of its strategy to have a statewide cleanup program.

Why is this the best option or alternative?
This work has traditionally received MTCA funding, so Ecology is requesting Model Toxics Control Capital funding to support this important work in 2025-27. This is the best option because it will continue cleanup investments that protect human health and natural resources and support economic redevelopment in Eastern Washington.

How will clients be affected and services change if this project is funded?
This request will continue ongoing efforts and result in local cleanups and land redevelopment. Cleaning up contaminated property is usually integrated with economic development, habitat restoration, and public recreation projects. Most cleanup projects are the first phase of a larger community or economic redevelopment project where the cleanup site is the focal point of the project. Ecology staff work with Eastern Washington communities, interested parties, and property owners, who all support this work.

Focus on Equity
Target Populations and Communities:
This request is an intentional investment by Ecology in cleanup in Eastern Washington, including rural areas, to ensure a statewide program. Ecology uses equity and environmental justice (EJ) criteria to evaluate and inform site prioritization. For state-directed cleanups, Ecology considers several factors when prioritizing sites, including whether the site impacts a likely vulnerable population or overburdened community. Within the project list, Ecology considered the following equity factors for prioritization:

- The Environmental Health Disparities (EHD) Index from the Department of Health's EHD Map. This index considers 19 indicators that include environmental exposures and effects as well as sensitive populations and socioeconomic factors.

- Demographic Index from the Environmental Protection Agency's (EPA) EJ Screen. This index is based on the average of two socioeconomic indicators: low-income and people of color.

- Supplemental Demographic Index from EPA's EJScreen. This index is based on the average of five socioeconomic indicators: low-income, unemployment, limited English, less than high school education, and low life expectancy (which is a health dataset).

- Office of Financial Management's Overburdened Communities of Washington State dataset by 2010 Census Tracts.

Community Outreach and Engagement:
All the state-directed cleanups funded by this request are subject to the public participation and Tribal engagement requirements in our state's cleanup rules. Under those rules, Ecology will:

- Provide the public with meaningful opportunities to participate throughout the cleanup process (WAC 173-340-600). When

Description

developing public participation plans for cleanups, Ecology will specifically consider the needs of likely vulnerable populations and overburdened communities and the threats posed to such populations (WAC 173-340-600(9)(a) and (b)).

- Ensure effective communication and outreach that addresses linguistic, cultural, literacy, technology, and accessibility barriers and welcomes meaningful participation when discretion permits to comply with Title VI nondiscrimination obligations and promote environmental justice best practices for meaningful community engagement.

- Seek meaningful engagement with affected Indian Tribes throughout the cleanup process (WAC 173-340-620). Ecology will develop a Tribal engagement plan to provide Indian Tribes with timely information, effective communication, continuous opportunities for collaboration and, when necessary, government-to-government consultation, as appropriate for each site (WAC 173-340-620(3)).

- Conduct cultural resource consultations with Indian Tribes in accordance with Governor's Executive Order 21-02 and WAC 173-340-815 at each appropriate step in the cleanup process to enable Tribes to provide input on the overall design and scope of each project.

To comply with Title VI nondiscrimination obligations, and to promote environmental justice best practices for meaningful community engagement, Ecology will ensure effective communication and outreach that addresses linguistic, cultural, literacy, technology, and accessibility barriers and welcomes meaningful participation when discretion permits.

Disproportional Impact Considerations:
This request will protect human health and environment, including of vulnerable populations and overburdened communities, from contamination at cleanup sites throughout Eastern Washington. Under our state's cleanup rules, all state-directed cleanups funded by this request must consider:

- Public concerns, including the concerns of likely vulnerable populations and overburdened communities, identified through the community engagement process.
- Indian Tribes' rights and interests identified through the Tribal engagement process.

See WAC 173-340-360(3)(d) and(5)(c)(i)(C). During the cleanup selection process, Ecology must specifically consider vulnerable populations and overburdened communities, including when evaluating the protectiveness, long-term effectiveness, implementation risks, and restoration time frame of different cleanup alternatives (WAC 173-340-360(4)(c) and (5)(d)).

HEAL Act Agencies Supplemental Questions:
See attached.

What is the agency's proposed funding strategy for the project?
Ecology requests funding from the MTCA Capital Account for this request. Using MTCA Capital Account funds for this request is consistent with the purposes of MTCA, Chapter 70A.305 RCW, and the MTCA Capital Account, RCW 70A.305.190, which establishes that funds in the account must be used for the improvement, rehabilitation, remediation, and cleanup of toxic sites. To do this work, a tax is assessed on hazardous materials, including petroleum products, pesticides, and some chemicals.

In even-numbered years, Ecology is required to provide the Legislature with a comprehensive report, the Model Toxics Control Act Capital Account Ten-Year Financing Report. Ecology produces this report in coordination with local governments that have

Project Number: 40000628
Project Title: 2025-27 Eastern Washington Clean Sites Initiative

Description

cleanup responsibilities and entities developing affordable housing. The report identifies the projected financial needs to clean up contaminated sites that are eligible for funding from the MTCA Capital Account and describes how we plan to spend funds to clean up sites in the upcoming biennium and the next ten years. The “Model Toxics Control Act Capital Account: Ten-Year Financing Report 2022” is available here: https://apps.ecology.wa.gov/publications/SummaryPages/2209080.html.

Its companion report, the Model Toxics Control Accounts Biennial Report of Expenditures, describes how cleanup funds were spent over the previous biennium. Ecology produces this report in odd-numbered years. Find the 2021-23 biennial report online at https://apps.ecology.wa.gov/publications/SummaryPages/2309060.html

Are FTEs required to support this project?
No

How does the project support the agency and statewide results?
This request is essential to achieving the Governor’s Results Washington Goal 3: Sustainable Energy and a Clean Environment and Ecology’s Goal 3: Prevent and Reduce Waste, Toxic Threats, and Pollution because it supports the cleanup of contaminated sites to protect human health and the environment.

This request is essential to achieving the Governor’s Results Washington Goal 2: Prosperous Economy because it will create and support jobs and make it possible to redevelop previously contaminated land to support economic growth in communities.

How will the other state programs or units of government be affected if this project is funded?
These cleanup projects are a collaborative effort by local, Tribal, state, and federal governments; business; agricultural and environmental interests; and the public to help preserve and protect Washington’s environment. This funding is critical to ensuring cleanups work as designed to protect public and private capital investments in these sites.

Proviso
No

Location
City: Statewide **County:** Statewide **Legislative District:** 098

Project Type
Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A
Application process used
N/A

Growth Management impacts
N/A

Funding

	Expenditures	2025-27 Fiscal Period

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Project Number: 40000628
Project Title: 2025-27 Eastern Washington Clean Sites Initiative

Funding

Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
23N-1	MTC Capital Account-State	56,250,000				16,250,000
	Total	**56,250,000**	**0**	**0**	**0**	**16,250,000**

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State	10,000,000	10,000,000	10,000,000	10,000,000
	Total	**10,000,000**	**10,000,000**	**10,000,000**	**10,000,000**

Operating Impacts

No Operating Impact

SubProjects

SubProject Number: 40000634
SubProject Title: Bill Singers Chevron

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 13

Project Summary

There are properties in Eastern Washington contaminated with hazardous wastes that have been abandoned or have owners unwilling or unable to pay for site investigation and cleanup. Without cleanup, these sites pose threats to public health, the environment, groundwater, and fish and wildlife resources. Cleaning up these sites protects public and environmental health, creates jobs, and promotes economic growth as the sites are redeveloped. This request will continue the initiative to have a statewide cleanup program by making investments outside of the Puget Sound Basin and Western Washington. (Model Toxics Control Capital Account).

Project Description

On September 14, 2023 approximately 3,000-3,500 gallons gasoline spilled from the Stillwater Holdings Chevron Site, Cleanup Site ID 16913. The initial release required an emergency response, multiple buildings were evacuated, and several city blocks were shut down for a significant time. The situation is temporarily mitigated from an emergency response standpoint; however, there is still significant risk to human health and the environment until the final cleanup is implemented. The requested funding will support through cleanup construction for the site.

Location

City: Walla Walla **County:** Walla Walla **Legislative District:** 016

Project Type

Grants

Project Number: 40000628
Project Title: 2025-27 Eastern Washington Clean Sites Initiative

SubProjects

SubProject Number: 40000634
SubProject Title: Bill Singers Chevron

Grant Recipient Organization: N/A
RCW that establishes grant: N/A
Application process used
N/A

Growth Management impacts
N/A

Funding

Acct Code	Account Title	Expenditures: Estimated Total	Prior Biennium	Current Biennium	2025-27 Fiscal Period: Reapprops	New Approps
23N-1	MTC Capital Account-State	3,500,000				3,500,000
	Total	**3,500,000**	**0**	**0**	**0**	**3,500,000**

Acct Code	Account Title	Future Fiscal Periods: 2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000635
SubProject Title: Marshall Landfill

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/8/2024 10:46AM

Project Number: 40000628
Project Title: 2025-27 Eastern Washington Clean Sites Initiative

SubProjects

SubProject Number: 40000635
SubProject Title: Marshall Landfill

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 13

Project Summary

There are properties in Eastern Washington contaminated with hazardous wastes that have been abandoned or have owners unwilling or unable to pay for site investigation and cleanup. Without cleanup, these sites pose threats to public health, the environment, groundwater, and fish and wildlife resources. Cleaning up these sites protects public and environmental health, creates jobs, and promotes economic growth as the sites are redeveloped. This request will continue the initiative to have a statewide cleanup program by making investments outside of the Puget Sound Basin and Western Washington. (Model Toxics Control Capital Account).

Project Description

Marshall Landfill was operating as a landfill accepting municipal and industrial waste between 1970 and 1990. The landfill was not closed in accordance with State regulations due to bankruptcy. TCP is working on a project to close the landfill in accordance with State regulations, control landfill gas emissions, and protect groundwater. An improved landfill cap will be installed and stormwater runoff from the landfill will be controlled and managed as part of the final closure of the landfill.

Location

City: Unincorporated **County:** Spokane **Legislative District:** 009

Project Type

Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A
Application process used

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Expenditures: Estimated Total	Prior Biennium	Current Biennium	2025-27 Fiscal Period: Reapprops	New Approps
23N-1	MTC Capital Account-State	12,000,000				12,000,000
	Total	**12,000,000**	**0**	**0**	**0**	**12,000,000**

		Future Fiscal Periods: 2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

Project Number: 40000628
Project Title: 2025-27 Eastern Washington Clean Sites Initiative

SubProjects

SubProject Number: 40000635
SubProject Title: Marshall Landfill

No Operating Impact

SubProject Number: 40000636
SubProject Title: Upper Columbia River Lake Roosevelt Site - cleanup level dev.

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 13

Project Summary

There are properties in Eastern Washington contaminated with hazardous wastes that have been abandoned or have owners unwilling or unable to pay for site investigation and cleanup. Without cleanup, these sites pose threats to public health, the environment, groundwater, and fish and wildlife resources. Cleaning up these sites protects public and environmental health, creates jobs, and promotes economic growth as the sites are redeveloped. This request will continue the initiative to have a statewide cleanup program by making investments outside of the Puget Sound Basin and Western Washington. (Model Toxics Control Capital Account).

Project Description

Smokestack emissions and slag and liquid waste from metal smelting released contamination directly into the Columbia River, contaminating over 150 river miles from the U.S.-Canadian border near Northport, Washington, to the Grand Coulee Dam. Funding would be used to hire a qualified consultant with requisite site-specific Sediment Quality Value (SQV) development experience, industry knowledge, and familiarity with existing Upper Columbia River data sets to assist in developing site-specific numerical criteria for selected heavy metals in UCR sediments. This step is necessary, as the existing freshwater sediment SQVs does not adequately consider the unique attributes and toxicological characteristics of Upper Columbia River sediment. Critical decision points within the upcoming UCR RI/FS process will rely upon site-specific designation of SCO and CSL values designed to protect aquatic receptors and sediment-dwelling organisms.

Location

City: Northport **County:** Stevens **Legislative District:** 007

Project Type

Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A
Application process used

N/A

Growth Management impacts

N/A

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*

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/8/2024 10:46AM

Project Number: 40000628
Project Title: 2025-27 Eastern Washington Clean Sites Initiative

SubProjects

SubProject Number: 40000636
SubProject Title: Upper Columbia River Lake Roosevelt Site - cleanup level dev.

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
23N-1	MTC Capital Account-State	150,000				150,000
	Total	**150,000**	**0**	**0**	**0**	**150,000**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000637
SubProject Title: Red Shirt Mill

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/8/2024 10:46AM

Project Number: 40000628
Project Title: 2025-27 Eastern Washington Clean Sites Initiative

SubProjects

SubProject Number: 40000637
SubProject Title: Red Shirt Mill

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 13

Project Summary

There are properties in Eastern Washington contaminated with hazardous wastes that have been abandoned or have owners unwilling or unable to pay for site investigation and cleanup. Without cleanup, these sites pose threats to public health, the environment, groundwater, and fish and wildlife resources. Cleaning up these sites protects public and environmental health, creates jobs, and promotes economic growth as the sites are redeveloped. This request will continue the initiative to have a statewide cleanup program by making investments outside of the Puget Sound Basin and Western Washington. (Model Toxics Control Capital Account).

Project Description

The Red Shirt Mill site is located near the City of Twisp in Okanogan County and contains a mill used only for a couple years in the 1930s for processing gold and silver ore from the nearby Red Shirt Mine. A variety of heavy metals, including arsenic, have been found in the soil to be above MTCA levels. An emergency action in 2002 involved demolition of the mill building and removal of “hot spots” with the highest levels of contamination. An interim action followed in 2003 and included amending the tailings, revegetating the area, and implementing institutional controls and environmental monitoring. During a periodic review in 2022, it was discovered that the parcel had been split and sold to an individual who is planning on building a home near the tailings. Funding will be used for development and implementation of a Cleanup Action Plan, which will include engineering design and a plan for remediation or removal of contaminated soil. Due to proximity to the Methow River and previous consultation with local Tribes, a Tribal Consultation Plan will be developed and implemented throughout the cleanup process.

Location

City: Twisp **County:** Okanogan **Legislative District:** 007

Project Type

Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A
Application process used

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
23N-1	MTC Capital Account-State	150,000				150,000
	Total	**150,000**	**0**	**0**	**0**	**150,000**

Project Number: 40000628
Project Title: 2025-27 Eastern Washington Clean Sites Initiative

SubProjects

SubProject Number: 40000637
SubProject Title: Red Shirt Mill

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000638
SubProject Title: Nason Creek

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 13

Project Summary

There are properties in Eastern Washington contaminated with hazardous wastes that have been abandoned or have owners unwilling or unable to pay for site investigation and cleanup. Without cleanup, these sites pose threats to public health, the environment, groundwater, and fish and wildlife resources. Cleaning up these sites protects public and environmental health, creates jobs, and promotes economic growth as the sites are redeveloped. This request will continue the initiative to have a statewide cleanup program by making investments outside of the Puget Sound Basin and Western Washington. (Model Toxics Control Capital Account).

Project Description

The Old Nason Ridge Road Abutments, aka Nason Creek, site is near the city of Leavenworth in Chelan County. The site contains old bridge abutments that contain creosote-treated wooden timbers. The bridge deck has previously been removed and there is a plan to remove the abutments as part of river restoration project. The soils have been tested underneath the abutments and multiple soil contaminants were found, including PAHs, petroleum, and arsenic all above MTCA levels. Funding will be used for development and implementation of the Cleanup Action Plan, including engineering design and a construction plan for access and site staging, site isolation and erosion control, removal and disposal of both bridge abutments, and removal and disposal of contaminated soil. Remediation of the site and restoration of the river will create a functional habitat for salmon recovery by creating a thermal refuge for the young salmonids that are released within 20 feet of the site.

Location

City: Leavenworth **County:** Chelan **Legislative District:** 012

Project Type

Grants

Project Number: 40000628
Project Title: 2025-27 Eastern Washington Clean Sites Initiative

SubProjects

SubProject Number: 40000638
SubProject Title: Nason Creek

Grant Recipient Organization: N/A
RCW that establishes grant: N/A
Application process used
N/A

Growth Management impacts
N/A

Funding

Acct Code	Account Title	Expenditures: Estimated Total	Prior Biennium	Current Biennium	2025-27 Fiscal Period: Reapprops	New Approps
23N-1	MTC Capital Account-State	450,000				450,000
	Total	**450,000**	**0**	**0**	**0**	**450,000**

Acct Code	Account Title	Future Fiscal Periods: 2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000639
SubProject Title: 2025-27 Eastern Washington Clean Sites Init. Ten Year Fin Plan

Project Number: 40000628
Project Title: 2025-27 Eastern Washington Clean Sites Initiative

SubProjects

SubProject Number: 40000639
SubProject Title: 2025-27 Eastern Washington Clean Sites Init. Ten Year Fin Plan

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 13

Project Summary

There are properties in Eastern Washington contaminated with hazardous wastes that have been abandoned or have owners unwilling or unable to pay for site investigation and cleanup. Without cleanup, these sites pose threats to public health, the environment, groundwater, and fish and wildlife resources. Cleaning up these sites protects public and environmental health, creates jobs, and promotes economic growth as the sites are redeveloped. This request will continue the initiative to have a statewide cleanup program by making investments outside of the Puget Sound Basin and Western Washington. (Model Toxics Control Capital Account).

Project Description

Ten year financial plan

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A
Application process used

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Expenditures: Estimated Total	Prior Biennium	Current Biennium	2025-27 Fiscal Period: Reapprops	New Approps
23N-1	MTC Capital Account-State	40,000,000				
	Total	**40,000,000**	**0**	**0**	**0**	**0**

		Future Fiscal Periods: 2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State	10,000,000	10,000,000	10,000,000	10,000,000
	Total	**10,000,000**	**10,000,000**	**10,000,000**	**10,000,000**

Operating Impacts

No Operating Impact

Ecology 2025-27 Biennium Capital Budget Project List
Toxics Cleanup Program
Eastern Washington Clean Sites Initiative

August 2024

Purpose: This list provides project details about the 2025-27 Eastern Washington Clean Sites Initiative budget request. This list represents cleanup projects that are underway and need funding to support the cleanup for ready to proceed projects. The projects were ranked according to phase of cleanup with Cleanup/Post Closure Monitoring having priority over Feasibility Study, Investigation, and Assessment. A review of impact to vulnerable and overburdened communities, acuity of need, readiness to proceed, cost efficiency, geographic distribution and purposes of increasing affordable housing for each project was conducted. This list is a plan based on the best information available to Ecology. The plan may change as more information becomes available.

Rank	CSID	Project Title	Project Description	Amount	Phase of Cleanup	Site Address	City	County	Leg. District	WRIA	Lat.	Long.
1	11516	Bill Singers Chevron	On September 14, 2023 approximately 3,000-3,500 gallons gasoline spilled from the Stillwater Holdings Chevron Site, Cleanup Site ID 16913. The initial release required an emergency response, multiple buildings were evacuated, and several city blocks were shut down for a significant time. The situation is temporarily mitigated from an emergency response standpoint; however, there is still significant risk to human health and the environment until the final cleanup is implemented. The requested funding will support through cleanup construction for the site.	3,500,000	Cleanup Construction	7 E Rose Street	Walla Walla	Walla Walla	16	32 - Walla Walla	46.07	-118.34
2	1022	Marshall Landfill	Marshall Landfill was operating as a landfill accepting municipal and industrial waste between 1970 and 1990. The landfill was not closed in accordance with State regulations due to bankruptcy. TCP is working on a project to close the landfill in accordance with State regulations, control landfill gas emissions, and protect groundwater. An improved landfill cap will be installed and stormwater runoff from the landfill will be controlled and managed as part of the final closure of the landfill.	12,000,000	Cleanup Construction	Andrus & Spotted Rd Marshall	Unincorporated	Spokane	9	56 - Hangman	47.55	-117.51
3	12125	Upper Columbia River Lake Roosevelt Site - cleanup level development	Smokestack emissions and slag and liquid waste from metal smelting released contamination directly into the Columbia River, contaminating over 150 river miles from the U.S.-Canadian border near Northport, Washington, to the Grand Coulee Dam. Funding would be used to hire a qualified consultant with requisite site-specific Sediment Quality Value (SQV) development experience, industry knowledge, and familiarity with existing Upper Columbia River data sets to assist in developing site-specific numerical criteria for selected heavy metals in UCR sediments. This step is necessary, as the existing freshwater sediment SQVs does not adequately consider the unique attributes and toxicological characteristics of Upper Columbia River sediment. Critical decision points within the upcoming UCR RI/FS process will rely upon site-specific designation of SCO and CSL values designed to protect aquatic receptors and sediment-dwelling organisms.	150,000	Cleanup Support	N/A	N/A	Stevens	7	61 - Upper Lake Roosevelt	49.00	-117.63
4	4473	Red Shirt Mill	The Red Shirt Mill site is located near the City of Twisp in Okanogan County and contains a mill used only for a couple years in the 1930s for processing gold and silver ore from the nearby Red Shirt Mine. A variety of heavy metals, including arsenic, have been found in the soil to be above MTCA levels. An emergency action in 2002 involved demolition of the mill building and removal of “hot spots” with the highest levels of contamination. An interim action followed in 2003 and included amending the tailings, revegetating the area, and implementing institutional controls and environmental monitoring. During a periodic review in 2022, it was discovered that the parcel had been split and sold to an individual who is planning on building a home near the tailings. Funding will be used for development and implementation of a Cleanup Action Plan, which will include engineering design and a plan for remediation or removal of contaminated soil. Due to proximity to the Methow River and previous consultation with local Tribes, a Tribal Consultation Plan will be developed and implemented throughout the cleanup process.	150,000	Remedial Investigation	Airport Rd	Twisp	Okanogan	7	48 - Methow	48.35	-120.10
5	16845	Nason Creek	The Old Nason Ridge Road Abutments, aka Nason Creek, site is near the city of Leavenworth in Chelan County. The site contains old bridge abutments that contain creosote-treated wooden timbers. The bridge deck has previously been removed and there is a plan to remove the abutments as part of river restoration project. The soils have been tested underneath the abutments and multiple soil contaminants were found, including PAHs, petroleum, and arsenic all above MTCA levels. Funding will be used for development and implementation of the Cleanup Action Plan, including engineering design and a construction plan for access and site staging, site isolation and erosion control, removal and disposal of both bridge abutments, and removal and disposal of contaminated soil. Remediation of the site and restoration of the river will create a functional habitat for salmon recovery by creating a thermal refuge for the young salmonids that are released within 20 feet of the site.	450,000	Cleanup Action Plan	Nason Ridge Rd	Lake Wenatchee	Chelan	12	45 - Wenatchee	47.77	-120.80
			TOTAL	**16,250,000**								

2025-27 Biennial Budget HEAL Act Template

Background

HEAL Act requirements

The Healthy Environment for All Act (HEAL Act), Chapter 314, Laws of 2021 (RCW 70A.02) requires that "covered and opt in agencies" must implement the requirements of the HEAL Act. This includes the:

- Department of Ecology
- Department of Agriculture
- Department of Commerce
- Department of Health
- Department of Natural Resources
- Department of Transportation
- Puget Sound Partnership
- Office of the Attorney General

HEAL Act agencies that are considering a significant agency action initiated after July 1, 2023, are required to conduct an environmental justice assessment. RCW 70A.02.010(12) specifies that significant agency actions include:

- The development and adoption of significant legislative rules as defined in RCW 34.05.328.
- The development and adoption of any new grant or loan program that the agency is explicitly authorized or required by statute to implement.
- A capital project, grant, or loan award costing at least $12,000,000.
- A transportation project, grant, or loan costing at least $15,000,000.
- The submission of agency request legislation to the Office of the Governor or OFM.

Under RCW 70A.02.080, beginning on or before July 1, 2023, covered and opt in agencies must, where practicable, take specific actions when making expenditure decisions or developing budget requests to OFM and the Legislature for programs that address or may cause environmental harms or provide environmental benefits. This includes:

- Focus applicable expenditures on creating environmental benefits that are experienced by overburdened communities and vulnerable populations, including reducing or eliminating environmental harms, creating community and population resilience, and improving the quality of life of overburdened communities and vulnerable populations.
- Create opportunities for overburdened communities and vulnerable populations to meaningfully participate in agency expenditure decisions.
- Clearly articulate environmental justice goals and performance metrics to communicate the basis for agency expenditures.
- Establish a goal of directing 40% of grants and expenditures that create environmental benefits to vulnerable populations overburdened communities.

To help OFM understand how HEAL Act agency budget requests meet HEAL Act requirements, covered agencies are required to complete additional questions related to the HEAL Act. These questions are shown below and are in addition to the equity related questions required of all agencies. Covered agencies are asked to complete the following questions and submit them through ABS.

HEAL Act questions

If you answer YES to any of these bullet points, please answer the six additional questions and submit them as an attachment through ABS.

- Is this decision package part of an agency request legislation that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding to support another significant agency action that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding for a program/project/activity that may **provide environmental benefits or reduce, mitigate, or eliminate environmental harms**, (that is not a significant agency action)? Note: This may include decision packages for programs not purposely directed to provide environmental benefits but may have an indirect or unintentional impact.

  ☒ Yes

  ☐ No

If you answer YES to any of the above bullet points, please complete these additional questions.

1. Please describe specific likely or probable environmental harms and/or benefits related to your decision package and the associated health impacts to overburdened communities and vulnerable populations.

   This request will protect the health and environment of vulnerable populations and overburdened communities from contamination at cleanup sites across the state. This budget request supports remedial action activities for cleanup sites for which Washington has taken responsibility. Specifically, this request invests in cleanup activities in Eastern Washington, including rural areas, to ensure a statewide program. Unless sites such as these are cleaned up, they will continue to pose threats to public health, the environment, groundwater, and fish and wildlife resources.

Under our state's cleanup rules, all state-directed cleanups funded by this request must consider:

- Public concerns, including the concerns of likely vulnerable populations and overburdened communities, identified through the community engagement process.
- Indian tribes' rights and interests identified through the tribal engagement process.

See WAC 173-340-360(3)(d) and(5)(c)(i)(C). During the cleanup selection process, Ecology must specifically consider vulnerable populations and overburdened communities, including when evaluating the protectiveness, long-term effectiveness, implementation risks, and restoration time frame of different cleanup alternatives (WAC 173-340-360(4)(c) and (5)(d)).

2. Please describe the estimated percentage and amount of the requested funds that will go towards creating environmental benefits in overburdened communities and vulnerable populations as defined in OFM's the OBC map or as determined by the agency. If applicable, please include your methodology for making this estimate, including project/award lists if available.

   This budget request is for five projects totaling $16.25 million. The estimated percentage of funds that will go towards creating environmental benefits in overburdened communities and vulnerable populations as defined in OFM's OBC map is 23% or $3.8 million. This estimate is based on project location within the OBC Map (see project list).

   Please note, 74% of the total funds requested, or $12 million, within this budget request are for the public works contract for Marshall Landfill. Marshall Landfill is not located in an overburdened community area, however, the contract is necessary to appropriately close the landfill to be protective of human health and the environment.

3. Please describe any potential significant impacts to Indian Tribes' rights and interest in their tribal lands, as well as traditional practices.

   Two of the five projects within the project list impact creeks or rivers, including salmonoid habitat. These projects will remove contaminated soil, which will reduce exposure with the water bodies as well as any species, including salmon, within the stream.

   Areas along waterbodies have a high potential for archaeological resources. Soil removal at the site may impact archaeological resources, if present. Environments near rivers and creeks are rich in natural resources. Tribes may have rights and interests if these sites fall within their usual and accustomed areas (ex. fishing areas).

4. Describe how your agency engaged with Tribes in developing this proposal, including offers for tribal consultation including timelines, methods for feedback, and mechanisms for Tribes to express concern, opposition, or support., and any direction provided by Tribes through this engagement.

   All the state-directed cleanups funded by this request are subject to the public participation and tribal engagement requirements in our state's cleanup rules. Under those rules, Ecology seeks meaningful engagement with affected Indian tribes throughout the cleanup process and conducts cultural resource consultations with Indian tribes in accordance with Governor's Executive Order 21-02 (GEO 21-02) and WAC 173-340-815 at each appropriate step in the cleanup process to enable Tribes to provide input on the overall design and scope of each project. Ecology will also develop a tribal engagement plan to provide Indian Tribes with timely information, effective communication, continuous opportunities for collaboration and, when necessary, government-to-government consultation, as appropriate for each site (WAC 173-340-620(3)).

5. If the decision package is part of agency request legislation or supports another significant agency action that is required to complete an environmental justice assessment under RCW 70A.02.010(12), please submit the assessment as an attachment in ABS.

   N/A

6. If the decision package is part of agency request legislation or constitutes a significant agency action that is required to complete an environmental justice assessment, please describe how your agency used the environmental justice assessment process to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits. If your agency determined that you were unable to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits, please provide a justification for not doing so.

   If funding is provided for any requested project over $12 million, constituting a significant agency action, an environmental justice assessment will be done at the time the award is confirmed.

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OFM

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/16/2024 4:16PM

Project Number: **40000644**
Project Title: **2025-27 Affordable Housing Cleanup Grant Program**

Description

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 15

Project Summary

Washington is in dire need of affordable housing across the state. The 2019 Annual Report of the Affordable Housing Advisory Board (https://www.commerce.wa.gov/wp-content/uploads/2020/03/2019-AHAB-Annual-Report.pdf) notes that housing supply and affordability affect all Washington communities, and rent prices are growing faster than low and middle incomes. A key factor is land availability. Whether in an urban or rural setting, contamination or suspicion of contamination drives up the costs of housing development. This request will fund brownfield site cleanups by public, nonprofit, or private developers proposing to redevelop the sites for affordable housing. Funding this request will invest in a social good (housing) beyond the traditional economic good of brownfield redevelopment for commercial and industrial purposes. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

What is the proposed project?

Ecology is requesting $9.65 million for the Affordable Housing Cleanup Grant Program (AHCGP). Through AHCGP, Ecology offers grants to public, nonprofit, and private entities intending to remediate brownfields to develop affordable housing. This request will support the Governor's priorities on housing and homelessness.

The biennial solicitation was open January to March 2024 for AHCGP applications. After the solicitation closed, eligible projects were scored and ranked according to the published guidance (https://apps.ecology.wa.gov/publications/SummaryPages/2409048.html). Criteria included:

1. Faster cleanup and readiness to proceed (9%) – considers project timeline, availability of other funds for the redevelopment project, and other related factors.

2. Improvement of human health and the environment (10%) – evaluates risk of the site using the Site Hazard Assessment Ranking Process and implementation of climate mitigation and adaptation strategies.

3. Equitable distribution of funds (42%) – considers project location and whether the community has a high risk for environmental health disparities or ensuring a statewide program.

4. Investment in the community (38%) - project ability to demonstrate a community investment. For example:

- Projects in communities at higher risks for displacement and higher levels of unaffordability.
- Documentation of support from community organizations and relevant local governments.
- Projects with proximity to basic services and amenities, such as the availability of mass transit and community services.

Ecology also reviewed the projects to confirm they are ready to proceed according to the Model Toxics Control Act (MTCA) regulatory process, which informs project prioritization. Ecology's Toxics Cleanup Program guides all cleanup projects through MTCA's regulatory process and requirements, including those seeking state capital budget funding. MTCA requires all cleanup projects proceed through the following phases:

1. Assessment: All projects are prioritized based on human health and environmental risks. Cleanup projects address risks from exposure to contaminated soil, groundwater, surface water, sediment, or air. These exposures pose human health risks from contacting contaminated soils, drinking polluted water, consuming fish and shellfish, inhaling toxic vapors, or a combination of the above.

Description

2. Remedial Investigation: Remedial investigations define the nature, extent, and magnitude of contamination on all projects.

3. Feasibility Study: Feasibility studies are conducted on all projects and include alternative analysis, cost-benefit analysis, long-term or life-cycle cost analysis, and cleanup technology preferences.

4. Cleanup Action Plan: Based on the remedial investigation and feasibility study, a cleanup action plan is developed that describes the selected cleanup action, the standards it must meet, monitoring requirements, and schedule – including any time-critical elements.

5. Comment: The public is encouraged to review and comment on the projects' investigations, feasibility studies, and cleanup plans during public comment periods.

6. Cleanup: Design, construction, operations, and monitoring the cleanup. A cleanup is complete when Ecology determines cleanup standards have been met. This phase includes projects that are ready to proceed, are in construction, have permits or are in the permitting process, where design is complete or underway, or are under contract.

What opportunity or problem is driving this request?
Funding for the AHCGP will allow Ecology to directly support cleanup projects where the end use is affordable housing. Engrossed Substitute Senate Bill 5993 (MTCA Reform) in 2019 included language that explicitly allows for "providing grants to persons intending to remediate contaminated real property for development of affordable housing."

What are the specific benefits of this project?
Many areas of Washington are experiencing a housing crisis. The region's economy and population growth bring many benefits to the state, but together they have driven up rent and home prices and property taxes. See the 2019 Annual Report of the Affordable Housing Advisory Board:
https://www.commerce.wa.gov/wp-content/uploads/2020/03/2019-AHAB-Annual-Report.pdf.

Ecology is in a unique position to contribute to a solution by addressing one of the main drivers of cost – land availability. Connecting contaminated site cleanups to redeveloping those sites into affordable housing projects preserves neighborhoods, provides housing for working families, and invests in Washington's communities.

This request will also provide economic benefits to the state by creating up to 28 jobs during the next four years based on Office of Financial Management estimates.

What are the effects of non-funding?
The need for affordable housing throughout Washington State continues to grow. Not funding this request would leave these projects on contaminated sites, or brownfields, without the funds to conduct the cleanup work necessary to safely reach an affordable housing end use.

Why is this the best option or alternative?
This is the best alternative because it continues the legislative support for this program over the last four budget cycles. The state already provides funding to build affordable housing through Commerce's Housing Trust Fund and other housing-related programs. However, suitable and available locations for affordable housing are scarce. Funding this request will reduce a costly barrier to affordable housing development – the investigation and remediation costs associated with

Project Number: 40000644
Project Title: 2025-27 Affordable Housing Cleanup Grant Program

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cleaning up a contaminated or brownfield site so it can be redeveloped for affordable housing.

How will clients be affected and services change if this project is funded?
The Healthy Housing Remediation Program was the pilot version of the new competitive AHCGP. Both the pilot and the current program focus on providing funding for the express purpose of site cleanup to develop affordable housing end use. The pilot program was in its testing phase for three budget cycles, starting in the 2017-19 biennium, which allowed us to learn and gain experience to refine the program and its requirements to ensure the intended outcome of affordable housing.

Input from interested parties during the development of the AHCGP competitive cleanup grant program leading up to the first solicitation of projects in February 2022 was critical. Modifications were made to the AHCGP grants process prior to the 2024 solicitation to adapt for items such as lessons learned from the 2022 solicitation, modifications to the MTCA rule effective January 2024, and the Healthy Environment for All Act (HEAL). Ecology intends to continue engaging interested parties regarding the 2026 solicitation for the 2027-29 budget build and future solicitations for grants supporting earlier phases of work.

Due to limited MTCA Capital Account capacity and the need to engage interested parties in revisions to the Affordable Housing Planning Grants, we are not planning to request grant funding for that program in the 2025-27 biennium.

Funding the AHCGP grants will help reduce financial barriers for cleaning up contaminated sites and brownfields for the final use of affordable housing.

Focus on Equity:
Target Populations and Communities
This program is designed and strategically focused on helping reduce the harmful effects of gentrification and the displacement of low-income and economically vulnerable populations that can follow cleanup activities and redevelopment. Ecology's AHCGP provides grants for the site investigation and cleanup of contaminated sites for affordable housing development. In support of Healthy Environmental for All (HEAL) Act, RCW 70A.02.080, "Environmental justice obligations of agencies relating to budgets and funding," Ecology weighted criteria connected to equitable distribution as 42% of the total score. Criteria included in this category were:

- The Environmental Health Disparities (EHD) Index from the Department of Health's EHD Map. This index considers 19 indicators that include environmental exposures and effects as well as sensitive populations and socioeconomic factors.

- Demographic Index from the Environmental Protection Agency's (EPA) Environmental Justice (EJ) EJScreen. This index is based on the average of two socioeconomic indicators: low income and people of color.

- Supplemental Demographic Index from EPA's EJScreen. This index is based on the average of five socioeconomic indicators: low income, unemployment, limited English, less than high school education, and low life expectancy (which is a health dataset).

- Site is in an "economically disadvantaged" city, town, or county as defined in WAC 173- 322A-100(15) and (16). See https://apps.ecology.wa.gov/publications/SummaryPages/2309045.html.

- Grant would help ensure diverse funding distribution within the state. The area is east of the Cascades.

For a full detail of how AHCGP grants were ranked and scored, see the published funding guidance for the 2025-27

Description

biennium: https://apps.ecology.wa.gov/publications/SummaryPages/2409048.html.

Community Outreach and Engagement
Ecology conducted two external meetings to inform interested parties of updates to the AHCGP process and associated timelines. The guidance and EAGL instructions were published in January 2024, and the competitive grant solicitation was open January 2024 through early March 2024. Projects were subsequently ranked and scored according to the published guidance. Additionally, all Ecology funded cleanups within this request are subject to the public participation and Tribal engagement requirements in our state's cleanup rules. Under those rules, Ecology will:

- **Provide the public with meaningful opportunities to participate throughout the cleanup process** (WAC 173-340-600). When developing public participation plans for cleanups, Ecology will specifically consider the needs of likely vulnerable populations and overburdened communities and the threats posed to such populations (WAC 173-340-600(9)(a) and (b)).

- **Ensure effective communication and outreach** that address linguistic, cultural, literacy, technology, and accessibility barriers and welcome meaningful participation, when discretion permits, to comply with Title VI nondiscrimination obligations and promote environmental justice best practices for meaningful community engagement.

- **Seek meaningful engagement with affected Indian Tribes throughout the cleanup process** (WAC 173-340-620). Ecology will develop a Tribal engagement plan to provide Indian Tribes with timely information, effective communication, continuous opportunities for collaboration and, when necessary, government-to-government consultation, as appropriate for each site (WAC 173-340-620(3)).

- **Conduct cultural resource consultations with Indian Tribes** according to Governor's Executive Order 21-02 and WAC 173-340-815 at each appropriate step in the cleanup process to enable Tribes to provide input on the overall design and scope of each project.

Disproportional Impact Considerations
Development in low-income and economically vulnerable communities can negatively impact nearby residents by increasing the cost of goods, services, rent, and houses. These impacts can displace low-income and economically vulnerable populations (and increasingly groups such as working families). These impacts can displace low-income and economically vulnerable populations (and increasingly groups such as working families).

The AHCGP is intended to help lessen those impacts, strategically prevent displacement, and support community cohesion. By investing in the cleanup and tying that investment to the end use of affordable housing, the program helps reduce gentrification and displacement that can follow cleanup activities and redevelopment and reduce exposure to hazardous substances.

HEAL Act Agencies Supplemental Questions
See attached.

What is the agency's proposed funding strategy for the project?
Ecology requests funding from the MTCA Capital Account for this grant program. Using MTCA Capital Account funds is consistent with the amendment to Engrossed Substitute Senate Bill 5993 (MTCA Reform) that explicitly allows for "providing grants to persons intending to remediate contaminated real property for development of affordable housing."

In even-numbered years, Ecology is required to provide the Legislature with a comprehensive report, the MTCA Capital Account Ten-Year Financing Report. Ecology produces this report in coordination with local governments that have cleanup responsibilities and entities developing affordable housing. The report identifies the projected financial needs to clean up contaminated sites that are eligible for funding from the MTCA Capital Account and describes how we plan to spend funds to

Description

clean up sites in the upcoming biennium and the next ten years. The “Model Toxics Control Act Capital Account: Ten-Year Financing Report 2022” is available here: https://apps.ecology.wa.gov/publications/SummaryPages/2209080.html.

Its companion report, the Model Toxics Control Accounts Biennial Report of Expenditures, describes how cleanup funds were spent over the previous biennium. Ecology produces this report in odd-numbered years. Find the 2021-23 biennial report online at https://apps.ecology.wa.gov/publications/SummaryPages/2309060.html

Funding for this project includes $80,000 to develop, maintain, and update the grant or loan applications in the agency systems.

Are FTEs required to support this project?
N/A

How does the project support the agency and statewide results?
This request is essential to achieving Ecology’s Goal 1: Support and Engage our Communities, Customers, and Employees because it will fund cleanup of properties that will be developed into affordable housing.

This request is also essential to achieving Ecology’s Goal 3: Prevent and Reduce Waste, Toxic Threats, and Pollution because it will support cleanup of contaminated sites to protect human health and the environment.

This request is essential to achieving the following Governor’s Results Washington goals:

- Results Washington Goal 2: Prosperous Economy because it will create and support jobs and make it possible to redevelop previously contaminated land to support economic growth in communities.

- Results Washington Goal 3: Sustainable Energy and a Clean Environment because it will clean up and manage contaminated sites that pose threats to public health, the environment, groundwater, and fish and wildlife resources.

- Results Washington Goal 4: Health and Safe Communities because it will foster and support a healthy future in communities by cleaning up contaminated sites that pose threats, protecting human health and the environment.

Puget Sound recovery
This request supports the 2022-2026 Puget Sound Action Agenda implementation through Ongoing Program OGP_ECY20 Toxic Cleanup Program - Cleaning up priority bays in Puget Sound, and through the following Vital Signs, Strategies, Desired Outcomes, and Actions:

Vital Signs
- Marine Water
- Toxics in Aquatic Life

Strategies
10. Stormwater Runoff and Legacy Contamination - Manage stormwater runoff and legacy contamination using a comprehensive approach at the site and landscape scales that improves water quality and enhances green space.

Desired Outcomes and Actions

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Project Number: 40000644
Project Title: 2025-27 Affordable Housing Cleanup Grant Program

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2.1.1. Toxic hotspots where stormwater runoff or wastewater contain significant concentrations of numerous toxic chemicals reduced through improved source control and/or treatment.

2.1.4 Toxics in infrastructure and building materials removed through source control and/or management/remediation.

Action 33. Incentivize redevelopment in areas associated with high loads of toxic chemicals.

Action 41. Find and fix toxic hotspots.

This request also supports Orca Task Force Recommendation 31. Reduce stormwater threats and accelerate clean-up of toxics harmful to orcas.

How will the other state programs or units of government be affected if this project is funded?
Ecology and the Department of Commerce have worked together for the past several years to further the state's interest in finding new ways to support affordable housing development by leveraging cleanup money. This current funding request will continue those collaborative efforts. Local governments and communities will be positively affected as contaminated sites are returned to use, benefiting the local economy and increasing affordable housing.

Location
City: Statewide **County:** Statewide **Legislative District:** 098

Project Type
Grants

Grant Recipient Organization: Multiple entities
RCW that establishes grant: RCW 70.105D.200(4)(a)(iv)
Application process used
Project solicitation. (1) Biennially, Ecology will solicit project proposals to develop its budget and update the MTCA Ten-Year Financing Plan for the Affordable Housing Grant Program. (2) Legislative Action. Projects are ranked and included in Ecology's budget for legislative action. (3) Once the budget is passed by the Legislature, recipients are notified and required to work with Ecology to complete any additional application information and submit the information on electronic forms provided by Ecology. Costs include set up and modification of the applications in the agency's grant and loan system.

Growth Management impacts
N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
23N-1	MTC Capital Account-State	49,654,000				9,654,000
	Total	**49,654,000**	**0**	**0**	**0**	**9,654,000**

Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35

Project Number: 40000644
Project Title: 2025-27 Affordable Housing Cleanup Grant Program

Funding

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State	10,000,000	10,000,000	10,000,000	10,000,000
	Total	**10,000,000**	**10,000,000**	**10,000,000**	**10,000,000**

Operating Impacts

No Operating Impact

SubProjects

SubProject Number: 40000645
SubProject Title: Mercy El Centro - Mt Baker Redevelopment Sites

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 15

Project Summary

Washington is in dire need of affordable housing across the state. The 2019 Annual Report of the Affordable Housing Advisory Board (https://www.commerce.wa.gov/wp-content/uploads/2020/03/2019-AHAB-Annual-Report.pdf) notes that housing supply and affordability affect all Washington communities, and rent prices are growing faster than low and middle incomes. A key factor is land availability. Whether in an urban or rural setting, contamination or suspicion of contamination drives up the costs of housing development. This request will fund brownfield site cleanups by public, nonprofit, or private developers proposing to redevelop the sites for affordable housing. Funding this request will invest in a social good (housing) beyond the traditional economic good of brownfield redevelopment for commercial and industrial purposes. Related to Puget Sound Action Agenda Implementation (Model Toxics Control Capital Account).

Project Description

Mercy Housing Northwest is proposing to remediate contamination on a City of Seattle property immediately adjacent to the Mt Baker Light Rail station to allow for the development of 431 units of affordable housing, 100% of which will be affordable below 60% AMI. The project is in partnership with El Centro de la Raza. Together, the two non-profit affordable housing and service providers will develop, own and operate the housing over two phases.

Location

City: Seattle **County:** King **Legislative District:** 037

Project Type

Grants

Project Number: 40000644
Project Title: 2025-27 Affordable Housing Cleanup Grant Program

SubProjects

SubProject Number: 40000645
SubProject Title: Mercy El Centro - Mt Baker Redevelopment Sites

Grant Recipient Organization: Multiple entities

RCW that establishes grant: RCW 70.105D.200(4)(a)(iv)

Application process used

Project solicitation. (1) Biennially, Ecology will solicit project proposals to develop its budget and update the MTCA Ten-Year Financing Plan for the Affordable Housing Grant Program. (2) Legislative Action. Projects are ranked and included in Ecology's budget for legislative action. (3) Once the budget is passed by the Legislature, recipients are notified and required to work with Ecology to complete any additional application information and submit the information on electronic forms provided by Ecology. Costs include set up and modification of the applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Expenditures: Estimated Total	Expenditures: Prior Biennium	2025-27 Fiscal Period: Current Biennium	2025-27 Fiscal Period: Reapprops	2025-27 Fiscal Period: New Approps
23N-1	MTC Capital Account-State	3,027,000				3,027,000
	Total	**3,027,000**	**0**	**0**	**0**	**3,027,000**

Acct Code	Account Title	Future Fiscal Periods: 2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000646
SubProject Title: Skyway

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Report Number: CBS002
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Project Number: **40000644**
Project Title: **2025-27 Affordable Housing Cleanup Grant Program**

SubProjects

SubProject Number: **40000646**
SubProject Title: **Skyway**

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 15

Project Summary

Washington is in dire need of affordable housing across the state. The 2019 Annual Report of the Affordable Housing Advisory Board (https://www.commerce.wa.gov/wp-content/uploads/2020/03/2019-AHAB-Annual-Report.pdf) notes that housing supply and affordability affect all Washington communities, and rent prices are growing faster than low and middle incomes. A key factor is land availability. Whether in an urban or rural setting, contamination or suspicion of contamination drives up the costs of housing development. This request will fund brownfield site cleanups by public, nonprofit, or private developers proposing to redevelop the sites for affordable housing. Funding this request will invest in a social good (housing) beyond the traditional economic good of brownfield redevelopment for commercial and industrial purposes. Related to Puget Sound Action Agenda Implementation (Model Toxics Control Capital Account).

Project Description

The Skyway Towncenter project is comprised of three properties and is located at 12600 and 12536 Renton Avenue South Seatttle in the neighborhood of Skyway, Washington. The purpose of the project is to cleanup the site to enable the development of affordable workforce housing.

Location

City: Seattle **County:** King **Legislative District:** 037

Project Type

Grants

Grant Recipient Organization: Multiple entities
RCW that establishes grant: RCW 70.105D.200(4)(a)(iv)
Application process used

Project solicitation. (1) Biennially, Ecology will solicit project proposals to develop its budget and update the MTCA Ten-Year Financing Plan for the Affordable Housing Grant Program. (2) Legislative Action. Projects are ranked and included in Ecology's budget for legislative action. (3) Once the budget is passed by the Legislature, recipients are notified and required to work with Ecology to complete any additional application information and submit the information on electronic forms provided by Ecology. Costs include set up and modification of the applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding			Expenditures		2025-27 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
23N-1	MTC Capital Account-State	1,095,000				1,095,000
	Total	**1,095,000**	**0**	**0**	**0**	**1,095,000**

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Project Number: 40000644
Project Title: 2025-27 Affordable Housing Cleanup Grant Program

SubProjects

SubProject Number: 40000646
SubProject Title: Skyway

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000647
SubProject Title: Mercy Bellingham Old Town

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 15

Project Summary

Washington is in dire need of affordable housing across the state. The 2019 Annual Report of the Affordable Housing Advisory Board (https://www.commerce.wa.gov/wp-content/uploads/2020/03/2019-AHAB-Annual-Report.pdf) notes that housing supply and affordability affect all Washington communities, and rent prices are growing faster than low and middle incomes. A key factor is land availability. Whether in an urban or rural setting, contamination or suspicion of contamination drives up the costs of housing development. This request will fund brownfield site cleanups by public, nonprofit, or private developers proposing to redevelop the sites for affordable housing. Funding this request will invest in a social good (housing) beyond the traditional economic good of brownfield redevelopment for commercial and industrial purposes. Related to Puget Sound Action Agenda Implementation (Model Toxics Control Capital Account).

Project Description

Mercy Housing Northwest (MHNW) is pursuing the development of 60-80 units of affordable housing, 100% affordable at or below 60% AMI, on a site in downtown Bellingham that is in need of remediation prior to redevelopment.

Location

City: Bellingham **County:** Whatcom **Legislative District:** 042

Project Type

Grants

Project Number: 40000644
Project Title: 2025-27 Affordable Housing Cleanup Grant Program

SubProjects

SubProject Number: 40000647
SubProject Title: Mercy Bellingham Old Town

Grant Recipient Organization: Multiple entities

RCW that establishes grant: RCW 70.105D.200(4)(a)(iv)

Application process used

Project solicitation. (1) Biennially, Ecology will solicit project proposals to develop its budget and update the MTCA Ten-Year Financing Plan for the Affordable Housing Grant Program. (2) Legislative Action. Projects are ranked and included in Ecology's budget for legislative action. (3) Once the budget is passed by the Legislature, recipients are notified and required to work with Ecology to complete any additional application information and submit the information on electronic forms provided by Ecology. Costs include set up and modification of the applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding

		Expenditures			2025-27 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
23N-1	MTC Capital Account-State	3,072,000				3,072,000
	Total	**3,072,000**	**0**	**0**	**0**	**3,072,000**

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000648
SubProject Title: Estelita's Library

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/16/2024 4:16PM

Project Number: 40000644
Project Title: 2025-27 Affordable Housing Cleanup Grant Program

SubProjects

SubProject Number: 40000648
SubProject Title: Estelita's Library

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 15

Project Summary

Washington is in dire need of affordable housing across the state. The 2019 Annual Report of the Affordable Housing Advisory Board (https://www.commerce.wa.gov/wp-content/uploads/2020/03/2019-AHAB-Annual-Report.pdf) notes that housing supply and affordability affect all Washington communities, and rent prices are growing faster than low and middle incomes. A key factor is land availability. Whether in an urban or rural setting, contamination or suspicion of contamination drives up the costs of housing development. This request will fund brownfield site cleanups by public, nonprofit, or private developers proposing to redevelop the sites for affordable housing. Funding this request will invest in a social good (housing) beyond the traditional economic good of brownfield redevelopment for commercial and industrial purposes. Related to Puget Sound Action Agenda Implementation (Model Toxics Control Capital Account).

Project Description

Estelita's Library is seeking funding to support environmental assessment of the property at 2901 17th Avenue South in Seattle, WA. The property is being considered for redevelopment by a community-driven organization, with the plan to build community-informed affordable housing and much needed community, educational, art, and cultural space.

Location

City: Seattle **County:** King **Legislative District:** 037

Project Type

Grants

Grant Recipient Organization: Multiple entities
RCW that establishes grant: RCW 70.105D.200(4)(a)(iv)
Application process used

Project solicitation. (1) Biennially, Ecology will solicit project proposals to develop its budget and update the MTCA Ten-Year Financing Plan for the Affordable Housing Grant Program. (2) Legislative Action. Projects are ranked and included in Ecology's budget for legislative action. (3) Once the budget is passed by the Legislature, recipients are notified and required to work with Ecology to complete any additional application information and submit the information on electronic forms provided by Ecology. Costs include set up and modification of the applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding			Expenditures		2025-27 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
23N-1	MTC Capital Account-State	2,380,000				2,380,000
	Total	**2,380,000**	**0**	**0**	**0**	**2,380,000**

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/16/2024 4:16PM

Project Number: 40000644
Project Title: 2025-27 Affordable Housing Cleanup Grant Program

SubProjects

SubProject Number: 40000648
SubProject Title: Estelita's Library

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000649
SubProject Title: EAGL Support

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 15

Project Summary

Washington is in dire need of affordable housing across the state. The 2019 Annual Report of the Affordable Housing Advisory Board (https://www.commerce.wa.gov/wp-content/uploads/2020/03/2019-AHAB-Annual-Report.pdf) notes that housing supply and affordability affect all Washington communities, and rent prices are growing faster than low and middle incomes. A key factor is land availability. Whether in an urban or rural setting, contamination or suspicion of contamination drives up the costs of housing development. This request will fund brownfield site cleanups by public, nonprofit, or private developers proposing to redevelop the sites for affordable housing. Funding this request will invest in a social good (housing) beyond the traditional economic good of brownfield redevelopment for commercial and industrial purposes. Related to Puget Sound Action Agenda Implementation (Model Toxics Control Capital Account).

Project Description

All Ecology competitive grant programs are offered through Ecology's Administration of Grant and Loans (EAGL). This supports development of two competitive grant solicitations per biennia, one for planning and one for cleanup grants.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Project Number: 40000644
Project Title: 2025-27 Affordable Housing Cleanup Grant Program

SubProjects

SubProject Number: 40000649
SubProject Title: EAGL Support

Grant Recipient Organization: Multiple entities

RCW that establishes grant: RCW 70.105D.200(4)(a)(iv)

Application process used

Project solicitation. (1) Biennially, Ecology will solicit project proposals to develop its budget and update the MTCA Ten-Year Financing Plan for the Affordable Housing Grant Program. (2) Legislative Action. Projects are ranked and included in Ecology's budget for legislative action. (3) Once the budget is passed by the Legislature, recipients are notified and required to work with Ecology to complete any additional application information and submit the information on electronic forms provided by Ecology. Costs include set up and modification of the applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding

		Expenditures			2025-27 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
23N-1	MTC Capital Account-State	80,000				80,000
	Total	**80,000**	**0**	**0**	**0**	**80,000**

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000650
SubProject Title: 2025-27 Affordable Housing Cleanup Grant Prog. Ten Year Fin Plan

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/16/2024 4:16PM

Project Number: **40000644**
Project Title: **2025-27 Affordable Housing Cleanup Grant Program**

SubProjects

SubProject Number: **40000650**
SubProject Title: **2025-27 Affordable Housing Cleanup Grant Prog. Ten Year Fin Plan**

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 15

Project Summary

Washington is in dire need of affordable housing across the state. The 2019 Annual Report of the Affordable Housing Advisory Board (https://www.commerce.wa.gov/wp-content/uploads/2020/03/2019-AHAB-Annual-Report.pdf) notes that housing supply and affordability affect all Washington communities, and rent prices are growing faster than low and middle incomes. A key factor is land availability. Whether in an urban or rural setting, contamination or suspicion of contamination drives up the costs of housing development. This request will fund brownfield site cleanups by public, nonprofit, or private developers proposing to redevelop the sites for affordable housing. Funding this request will invest in a social good (housing) beyond the traditional economic good of brownfield redevelopment for commercial and industrial purposes. Related to Puget Sound Action Agenda Implementation (Model Toxics Control Capital Account).

Project Description

Ten year financial plan.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Multiple entities
RCW that establishes grant: RCW 70.105D.200(4)(a)(iv)
Application process used

Project solicitation. (1) Biennially, Ecology will solicit project proposals to develop its budget and update the MTCA Ten-Year Financing Plan for the Affordable Housing Grant Program. (2) Legislative Action. Projects are ranked and included in Ecology's budget for legislative action. (3) Once the budget is passed by the Legislature, recipients are notified and required to work with Ecology to complete any additional application information and submit the information on electronic forms provided by Ecology. Costs include set up and modification of the applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding			Expenditures		2025-27 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
23N-1	MTC Capital Account-State	40,000,000				
	Total	**40,000,000**	**0**	**0**	**0**	**0**

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/16/2024 4:16PM

Project Number: 40000644
Project Title: 2025-27 Affordable Housing Cleanup Grant Program

SubProjects

SubProject Number: 40000650
SubProject Title: 2025-27 Affordable Housing Cleanup Grant Prog. Ten Year Fin Plan

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State	10,000,000	10,000,000	10,000,000	10,000,000
	Total	**10,000,000**	**10,000,000**	**10,000,000**	**10,000,000**

Operating Impacts

No Operating Impact

Ecology 2025-27 Biennium Capital Budget Project List
Toxics Cleanup Program
Affordable Housing Grant Program

August 2024

Purpose: This list provides project details about the 2025-27 Affordable Housing Grant budget request. This list represents cleanup projects that are underway and need funding to support the cleanup for ready to proceed projects. The projects were scored and ranked in accordance with Ecology's published Guidance (https://apps.ecology.wa.gov/publications/SummaryPages/2409048.html). This list is a plan based on the best information available to Ecology. The plan may change as more information becomes available.

Rank	Applicant / Recipient	Project Title	Project Description	Amount	Phase of Cleanup	Site Address	City	County	Leg. District	WRIA	Lat.	Long.
1	Mercy Housing Northwest	Mercy El Centro - Mt Baker Redevelopment Sites	Mercy Housing Northwest is proposing to remediate contamination on a City of Seattle property immediately adjacent to the Mt Baker Light Rail station to allow for the development of 431 units of affordable housing, 100% of which will be affordable below 60% AMI. The project is in partnership with El Centro de la Raza. Together, the two non-profit affordable housing and service providers will develop, own and operate the housing over two phases.	3,027,000	Remedial Investigation	2901 27th Ave S	Seattle	King	37	8	47.58	-122.30
2	Gardiner Global	Skyway	The Skyway Towncenter project is comprised of three properties and is located at 12600 and 12536 Renton Avenue South Seatttle in the neighborhood of Skyway, Washington. The purpose of the project is to cleanup the site to enable the development of affordable workforce housing.	1,095,000	Remedial Investigation	12548 Renton Ave S	Seattle	King	37	8	47.49	-122.24
3	Mercy Housing Northwest	Mercy Bellingham Old Town	Mercy Housing Northwest (MHNW) is pursuing the development of 60-80 units of affordable housing, 100% affordable at or below 60% AMI, on a site in downtown Bellingham that is in need of remediation prior to redevelopment.	3,072,000	Remedial Investigation	600 W Holly St	Bellingham	Whatcom	42	1	48.75	-122.48
4	Estelita's Library	Estelita's Library	Estelita's Library is seeking funding to support environmental assessment of the property at 2901 17th Avenue South in Seattle, WA. The property is being considered for redevelopment by a community-driven organization, with the plan to build community-informed affordable housing and much needed community, educational, art, and cultural space.	2,380,000	Remedial Investigation	2901 17th Ave S	Seattle	King	37	9	47.58	-122.31
5	N/A	EAGL Support	All Ecology competitive grant programs are offered through Ecology's Administration of Grant and Loans (EAGL). This supports development of two competitive grant solicitations per biennia, one for planning and one for cleanup grants.	80,000	N/A	Statewide	Statewide	Statewide	Statewide	Statewide	Statewide	Statewide
			TOTAL	**9,654,000**								

2025-27 Biennial Budget HEAL Act Template

Background

HEAL Act requirements

The Healthy Environment for All Act (HEAL Act), Chapter 314, Laws of 2021 (RCW 70A.02) requires that "covered and opt in agencies" must implement the requirements of the HEAL Act. This includes the:

- Department of Ecology
- Department of Agriculture
- Department of Commerce
- Department of Health
- Department of Natural Resources
- Department of Transportation
- Puget Sound Partnership
- Office of the Attorney General

HEAL Act agencies that are considering a significant agency action initiated after July 1, 2023, are required to conduct an environmental justice assessment. RCW 70A.02.010(12) specifies that significant agency actions include:

- The development and adoption of significant legislative rules as defined in RCW 34.05.328.
- The development and adoption of any new grant or loan program that the agency is explicitly authorized or required by statute to implement.
- A capital project, grant, or loan award costing at least $12,000,000.
- A transportation project, grant, or loan costing at least $15,000,000.
- The submission of agency request legislation to the Office of the Governor or OFM.

Under RCW 70A.02.080, beginning on or before July 1, 2023, covered and opt in agencies must, where practicable, take specific actions when making expenditure decisions or developing budget requests to OFM and the Legislature for programs that address or may cause environmental harms or provide environmental benefits. This includes:

- Focus applicable expenditures on creating environmental benefits that are experienced by overburdened communities and vulnerable populations, including reducing or eliminating environmental harms, creating community and population resilience, and improving the quality of life of overburdened communities and vulnerable populations.
- Create opportunities for overburdened communities and vulnerable populations to meaningfully participate in agency expenditure decisions.
- Clearly articulate environmental justice goals and performance metrics to communicate the basis for agency expenditures.
- Establish a goal of directing 40% of grants and expenditures that create environmental benefits to vulnerable populations overburdened communities.

To help OFM understand how HEAL Act agency budget requests meet HEAL Act requirements, covered agencies are required to complete additional questions related to the HEAL Act. These questions are shown below and are in addition to the equity related questions required of all agencies. Covered agencies are asked to complete the following questions and submit them through ABS.

HEAL Act questions

If you answer YES to any of these bullet points, please answer the six additional questions and submit them as an attachment through ABS.

- Is this decision package part of an agency request legislation that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding to support another significant agency action that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding for a program/project/activity that may **provide environmental benefits or reduce, mitigate, or eliminate environmental harms**, (that is not a significant agency action)? Note: This may include decision packages for programs not purposely directed to provide environmental benefits but may have an indirect or unintentional impact.

  ☒ Yes

  ☐ No

If you answer YES to any of the above bullet points, please complete these additional questions.

1. Please describe specific likely or probable environmental harms and/or benefits related to your decision package and the associated health impacts to overburdened communities and vulnerable populations.

   Development in low-income and economically vulnerable communities can negatively impact nearby residents by increasing the cost of goods, services, rent, and houses. These impacts can displace low income and economically vulnerable populations (and increasingly, groups such as working families).

   The Affordable Housing Cleanup Grant Program is intended to help lessen those impacts, strategically prevent displacement, and support community cohesion. By investing in the

cleanup and tying that investment to the end use of affordable housing, the program helps reduce gentrification and displacement that can follow cleanup activities and redevelopment while also reducing exposure to hazardous substances.

2. Please describe the estimated percentage and amount of the requested funds that will go towards creating environmental benefits in overburdened communities and vulnerable populations as defined in OFM's the OBC map or as determined by the agency. If applicable, please include your methodology for making this estimate, including project/award lists if available.

   Approximately 67% or $6,502,000 estimated funds will go towards creating environmental benefits in overburdened communities and vulnerable populations. This is based off 2025-27 budget requests, with three out of the four requests being located in overburdened communities as defined in OFM's OBC map (see project list).

3. Please describe any potential significant impacts to Indian Tribes' rights and interest in their tribal lands, as well as traditional practices.

   There are no anticipated impacts to Indian Tribes' rights and interest in their tribal lands or traditional practices.

4. Describe how your agency engaged with Tribes in developing this proposal, including offers for tribal consultation including timelines, methods for feedback, and mechanisms for Tribes to express concern, opposition, or support., and any direction provided by Tribes through this engagement.

   All Ecology funded cleanups included request are subject to the public participation and tribal engagement requirements in our state's cleanup rules. Under those rules, Ecology seeks meaningful engagement with affected Indian tribes throughout the cleanup process and conducts cultural resource consultations with Indian tribes in accordance with Governor's Executive Order 21-02 (GEO 21-02) and WAC 173-340-815 at each appropriate step in the cleanup process to enable Tribes to provide input on the overall design and scope of each project. Further, Ecology will develop a tribal engagement plan to provide Indian Tribes with timely information, effective communication, continuous opportunities for collaboration and, when necessary, government-to-government consultation, as appropriate for each site (WAC 173-340-620(3)).

5. If the decision package is part of agency request legislation or supports another significant agency action that is required to complete an environmental justice assessment under RCW 70A.02.010(12), please submit the assessment as an attachment in ABS.

   N/A

6. If the decision package is part of agency request legislation or constitutes a significant agency action that is required to complete an environmental justice assessment, please describe how your agency used the environmental justice assessment process to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits. If your agency determined that you were unable to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits, please provide a justification for not doing so.

   N/A

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OFM

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/19/2024 8:16PM

Project Number: 40000658
Project Title: 2025-27 Swift Creek Natural Asbestos Flood Control and Cleanup

Description

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 16

Project Summary

For approximately 80 years, an extensive, slow-moving landslide on the slopes of Sumas Mountain has carried large volumes of natural debris into Swift Creek and its floodplain east of Everson. The material, contaminated with naturally occurring asbestos and heavy metals, fills the stream channel, causing serious flooding and sediment deposits in surrounding settled and agricultural areas. Since the 2017-19 biennium, Ecology has received $12.4 million in funding to support a state commitment to Whatcom County to resolve this chronic threat to public safety, property, human health, and the environment. This requested funding will continue design, construction, and maintenance of a series of flood control and sediment management measures to reduce these threats. (State Building Construction Account)

Project Description

What is the proposed project?

Ecology is requesting $11.54 million for the next phase of work on the Swift Creek project in Whatcom County. Approximately 100,000 cubic yards of earth material generated by a slow-moving landslide is steadily moving down the slopes of Sumas Mountain into Swift Creek and its adjacent floodplain. To complicate the situation, the material contains naturally occurring asbestos and heavy metals. Swift Creek is quickly running out of available room to store sediment material, which would lead to a blockage of the creek and resulting flooding. The subsequent sediment storage repository, slated to be constructed in the 2025-27 biennium, is critical.

Efforts to address the Sumas Mountain landslide have been ongoing. Over time, local, state, and federal agencies have worked to characterize and respond to chronic flooding, property damage, and the spread of naturally occurring contamination. Washington State entered into a consent decree with Whatcom County in December 2019 to support development of long-term solutions to address this significant environmental and human health problem. Under the consent decree, the county has a principal commitment to carry out the provisions of the Swift Creek Action Plan, a long-term plan for a set of comprehensive flood control and sediment management measures. The county provides project design, engineering and construction, stream maintenance dredging, and channel stabilization. The state supports the county by providing funding and regulatory assistance. This funding request will demonstrate the state's continued commitment toward implementing the county's engineering strategy to control flooding and manage the threat of excessive and potentially hazardous sediment in the environment.

The Environmental Protection Agency (EPA) previously spent approximately $3 million on the Swift Creek project for a wide range of scientific and engineering work. This included stabilizing sediment piles, United States Geological Survey (USGS) hydrologic study, activity-based sampling, engineering evaluation, and cost analysis of cleanup alternatives. However, EPA has not contributed funds or been involved in this project since before the 2021-23 biennium and is not expected to in the future.

The project activities are driven by a well-defined Swift Creek Action Plan, with a schedule developed through completion. Significant planning, design, permitting, and land acquisition efforts have been successfully completed. The $4 million appropriated during the 2023-25 biennium supports continuation of multiple sequenced engineering design and construction phases of the project and required wetland mitigation.

An additional $11.54 million during the 2025-27 biennium is needed to mitigate impacts and meet the state's commitment to help the county resolve this long-standing chronic threat. This request will fund active engineering design and construction throughout the 2025-27 biennium on multiple project elements to continue implementation of the Swift Creek Action Plan, including a critically needed permanent repository for landslide material and the next phase of earthworks to manage landslide material. This request will allow the county to pursue active flood control measures and management strategies,

Project Number: 40000658
Project Title: 2025-27 Swift Creek Natural Asbestos Flood Control and Cleanup

Description

including dredging, enhancing, and maintaining levees, and constructing sediment traps and settlement basins for long-term sediment isolation and storage.

Funding this request will mitigate further threats to human health and the environment from the asbestos and heavy metals in these sediments. It also protects the northern Salish Sea (where these sediments eventually discharge).

Budget

Engineering design and construction:	$10,135,000
Operation & Maintenance:	$ 1,405,000
Total:	$11,540,000

Please see attachment A for a full schedule of activities and timing, pending funding.

What opportunity or problem is driving this request?
Because this contamination is naturally occurring, local, state, and federal agencies have been struggling to respond to the situation. Whatcom County does not have the financial resources to deal with this problem and has asked the state and federal governments for help. In the past, the federal government provided significant staff time for technical assistance and funding for sediment testing and stabilizing existing sediment piles. The county commits $300,000 annually to maintenance dredging; however, with no place to put the sediment, they will not be able to continue dredging in the future. Funding this request will enable continued implementation of the Swift Creek Action Plan outlined in the consent decree and demonstrate the state's partnership with the county to move toward a long-term solution to address this significant human health and environmental problem.

Swift Creek is a tributary of the Sumas River. During flooding events, large volumes of fine, suspended sediment is carried and deposited across lowlands adjacent to the river. Statewide asbestos is not commonly found in sediment, but rather is a mineral associated with certain types of rock and soil. Sumas Mountain is one such place where asbestos is naturally occurring. Concentrations within the landslide material may exceed 10 percent in some areas of deposition.

When contaminated sediments dry out, they can become airborne. Inhaling asbestos over a long time can cause health problems including asbestosis, lung cancer, and mesothelioma. Local, state, and federal health agencies have expressed continued concern for potential human health risks posed by airborne asbestos dust from dry, widely distributed sediment. Health advisories are periodically published and distributed in the affected areas (see attachment B). The Sumas River flows north across the international border into British Columbia and the Lower Fraser River. Swift Creek sediments cause similar problems for the intensively agricultural Lower Mainland of the province and raises human health and safety concerns of local, provincial, and federal Canadian agencies. These concerns have been expressed to Ecology and EPA.

In the winter of 2016-17, excessive sediment loading resulted in the emergency closure and abandonment of a county roadway (Oat Coles Road) and necessitated a bridge removal. These measures greatly hampered local access and transportation. Sediment loading currently threatens closure of the one remaining non-state highway corridor (Goodwin Road). If that road is closed, all local traffic in northeastern Whatcom County would be forced to use State Route 9, a busy commercial access road to the international Port of Entry at Sumas. The county has increasingly had to rely on costly emergency dredging and levee repair measures to cope.

Very significant flooding in 2009 and 2021 required evacuation of homes and private properties and caused road closures seriously affecting local transportation, commerce, and agriculture near the downstream communities of Everson, Nooksack, and Sumas. The flooding deposited layers of asbestos-containing sediments in the yards of private homes and caused permanent closure of a Nooksack-area business. Because of its unusual chemical make-up, the sediment does not support

Description

plant growth and greatly impacts agriculture and wetlands. Catastrophic flooding of the Nooksack and Sumas Rivers in November 2021 was compounded by water and sediment contribution from Swift Creek, causing extensive inundation of the town of Sumas (in Washington) and the Sumas Prairie across the border in British Columbia.

What are the specific benefits of this project?
Funding this request will mitigate further threats to human health and the environment from chronic flooding and deposition of sediments containing asbestos and metals. It will also help protect the northern Salish Sea (where these sediments eventually discharge).

Managing Swift Creek sediment will:

- Reduce and manage sediment loading to the watershed, decreasing the need for downstream dredging and the occurrence of flooding and sediment deposition that affects property, infrastructure, and agricultural land in the floodplains of Swift Creek and the Sumas River.

- Enhance and improve the in-stream environment badly impacted by landslide effects, including turbidity and poor water quality. This will improve habitat for salmon and other aquatic life.

- Provide a long-term, future resolution for chronic flooding, distribution, and deposition of sediment containing asbestos and heavy metals.

This request will also provide economic benefits to the state by creating up to 69 jobs per year during the next four years based on Office of Financial Management estimates.

What are the effects of non-funding?
Failure to manage Swift Creek sediment according to this plan would result in continued chronic flooding, associated sediment accumulation, and distribution of asbestos and heavy metal-laden sediments in stream reaches and surrounding lowlands.

Without this request, the creek bed would continue to:

- Fill up with sediment and overtop its banks.

- Contaminate nearby private property, agricultural land, and wetlands with naturally occurring asbestos and heavy metals during flood events.

- Potentially damage several county roads and bridges, as well as private residences, neighborhoods, farms, and businesses.

Why is this the best option or alternative?
There are currently no alternative fund sources available.

How will clients be affected and services change if this project is funded?
Whatcom County must respond to Swift Creek sediment accumulation on a regular basis because extreme sediment loading restricts flow, causing stream channel breach, bank erosion, and levee damage. This request will invest in a more systematic, planned approach to managing sediment accumulation. The project will provide a long-term solution for chronic flooding and sediment accumulation affecting homes, farms, roads, and bridges. Managing this sediment will also minimize

Description

the associated asbestos and heavy metal problems that lead to agricultural land damage and potential human health risk issues.

This funding will help fulfill the state's legally mandated obligations under the formal consent decree between Whatcom County and Ecology. Whatcom County relies on Ecology's support to continue moving the project forward.

This request will also help preserve valuable farmland that could be irreversibly contaminated if Swift Creek or the Sumas River flood and smother fields with contaminated sediment.

The catastrophic flooding events of November 2021 in northern Whatcom County magnified the ongoing issues at Swift Creek and the need for solutions. Large volumes of Swift Creek sediment contributed to private home, property, and cropland damage inflicted on widespread areas of northern Whatcom County, including the towns of Nooksack and Sumas, and downstream extending across the border into areas of British Columbia.

Focus on Equity:
Target Populations and Communities
This request will protect rural lands along Swift Creek and its floodplain east of Everson in northern Whatcom County, which joins the Sumas River, flows northward into British Columbia, Canada, and eventually empties into the northern Salish Sea. According to EPA's environmental justice screening tool, the percentage of people who have less than a high school education in the census blocks downstream of the landslide are as high as 11%, and children under the age of five are also as high as 11%. These groups are within the 80th percentile across the state and nearly double the state average. The long-term investment in this project protects human health, homes, farmland, and public infrastructure, such as roads.

Community Outreach and Engagement
Ecology conducted a public comment period in the fall of 2019 to solicit input from the community on the Swift Creek Action Plan, consent decree, and public participation plan. Ecology responded to eight comments received.

Per Executive Order 21-02, Ecology conducted a cultural resource review for the Swift Creek flood control and sediment management project. This included an Executive Order 21-02 cultural resource consultation with the Lummi Nation, Nooksack Indian Tribe, Upper Skagit Tribe, Snoqualmie Indian Tribe, Sauk-Suiattle Tribe, Swinomish Indian Tribal Community, Samish Indian Nation, Colville Tribes, and Nlaka'pamux Nation, as well as the Department of Archaeology and Historic Preservation (DAHP). Through the cultural resources consultation, Ecology engaged with the above-listed Tribes to share project information and engage in planning.

Each year, as the dry season approaches, Ecology partners with Whatcom County to distribute a health reminder to area residents and businesses about the risks of asbestos exposure (attachment B). Ecology also maintains a dedicated webpage that provides status updates about the Swift Creek flood control and sediment management project and health information associated with exposure risks. To reach a broader portion of the community, the information is translated into Spanish (attachment C). Whatcom County has over 12,000 people who speak Spanish in the home. As part of Ecology activities to address flood control and sediment management, this project includes continued support and distribution of public health advisories in both English and Spanish. The Lummi Nation and Nooksack Indian Tribes (both with multiple addresses/emails) are included in this distribution, as well as the Governor's Office of Indian Affairs, the Northwest Indian Fisheries Commission, and the DAHP regional archaeologist.

Disproportional Impact Considerations
Ecology prioritizes compliance with Title VI nondiscrimination obligations and invests in promoting best practices for meaningful and effective engagement with local communities. Whatcom County has over 12,000 people who speak Spanish

Description

in the home. As part of Ecology activities to address flood control and sediment management, this project includes continued support and distribution of public health advisories in both English and Spanish.

HEAL Act Agencies Supplemental Questions
See attached.

What is the agency's proposed funding strategy for the project?
Ecology requests the state's portion of the project be funded through the State Building Construction Account, because the Legislature has decided to fund other flood control projects in Ecology's and other agencies' budgets from this account. This request is consistent with that approach. Local funding also supports the project as described in the consent decree.

Are FTEs required to support this project?
None

How does the project support the agency and statewide results?
This request is essential to achieving Ecology's Goal 3: Prevent and Reduce Toxic Threats and Pollution and the Governor's Results Washington Goal 3: Sustainable Energy and a Clean Environment. It will reduce the release of toxic debris contained in the landslide and resolve this chronic threat to public safety, property, human health, and the environment through mitigation and managing of pollution.

This request is also essential to achieving Ecology's Goal 4: Protect and Manage Our State's Waters, ensuring high-quality water resources for people and aquatic species and make a more thriving ecological system in the area. It will capture and remove sediment from Swift Creek before it flows into the Sumas River, which flows north to the Fraser River and then discharges to the Northern Salish Sea.

How will the other state programs or units of government be affected if this project is funded?
This request will allow local government to continue addressing this threat to human health and the environment from asbestos and metals in these sediments.

This request was developed and shared with stakeholders and the Attorney General's Office. Those parties support this request. The offices of U.S. Senators Murray and Cantwell and U.S. Representative DelBene have participated in earlier site briefings and tours and remain engaged. Locally, State Legislative District 42 legislators – both Representatives and Senator – are actively engaged in Swift Creek issues and have participated in conference calls, site visits, and other communications over this issue.

Location
City: Unincorporated **County:** Whatcom **Legislative District:** 042

Project Type
Grants

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/19/2024 8:16PM

Project Number: 40000658
Project Title: 2025-27 Swift Creek Natural Asbestos Flood Control and Cleanup

Description

Grant Recipient Organization: Whatcom County
RCW that establishes grant: N/A
Application process used
N/A

Growth Management impacts
This project will help preserve farmland and open space, resulting in less pressure to redevelop these areas, supporting GMA.

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	New Approps
057-1	State Bldg Constr-State	35,477,000				11,540,000
	Total	**35,477,000**	**0**	**0**	**0**	**11,540,000**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State	10,984,000	12,953,000		
	Total	**10,984,000**	**12,953,000**	**0**	**0**

Operating Impacts

No Operating Impact

Attachment A

SWIFT CREEK EXPENDITURES 2023 to 2031 OUTLOOK

		2023/2025 Biennium								2025/2027 Biennium								2027/2029 Biennium								2029/2031 Biennium								
		2023		2024				2025				2026				2027				2028				2029				2030				2031			
o.	Projec le e	Jul-Sep	Oct-Dec	Jan-Mar	April-June	Jul-Sep	Oct-Dec	Jan-Mar	April-June	Jul-Sep	Oct-Dec	Jan-Mar	April-June	Jul-Sep	Oct-Dec	Jan-Mar	April-June	Jul-Sep	Oct-Dec	Jan-Mar	April-June	Jul-Sep	Oct-Dec	Jan-Mar	April-June	Jul-Sep	Oct-Dec	Jan-Mar	April-June	Jul-Sep	Oct-Dec	Jan-Mar	April-June	Jul-Sep	Oct-Dec
1	A ual CIP O&M - Sedi e Traps Phase 1	$432,700																															
2	We la d Mi iga io - Gi aka Site	$66,000				$2,378,300																											
3	Grou dwa er Well l s alla ion			$57,000		$75,300																											
4	A ual CIP O&M - Sedi ent Traps Phase 1	$49,500				$357,100																											
5	Si e Prepara io P ase 2 - Access Road Improvements			$12,000					$647,500																								
6	A ual CIP O&M - Sedi ent Traps Phase 1								$367,500																								
7	Willia s Pipeli e Crossi g							$13,500					$995,000																				
8	Sedi e Basi - P ase 1							$55,000						$568,600																			
9	Sedi e Traps - P ase 2											$27,500						$956,900															
10	Reposi ory - Oa Coles orth Final Capping									$33,000				$343,800																			
11	Reposi ory - Ca yo Ce ral Phase 1			$60,000				$75,000					$4,160,300																				
12	S ri ger Bridge I prove ents							$29,900						$34,700																			
13	A ual CIP O&M - Sedi ent Traps Phase 1									$38,500				$377,900																			
14	Sedi e Basi Da a Collection and Preliminary Desig for P ase 3													$225,000																			
15	Sedi e Basi - P ase 2											$69,300					$568,600																
16	A ual CIP O&M - Sedi ent Traps Phase 2																$776,600																
17	A ual CIP O&M - Sedi ent Basins Phase 1																$211,700																
18	Reposi ory - Ca yo Ce ral Phase 2																$2,120,600																
19	Sedi e Basi - P ase 3																	$80,000			$4,911,500												
20	Debris Ber s - Upper Ber Phase 2																	$50,000				$1,255,100											
21	Debris Flow Ber s - Lower Goodwin Reach Berm															$30,000						$564,900											
22	A ual CIP O&M - Sedi ent Traps Phase 2																	$38,500				$797,400											
23	A ual CIP O&M - Sedi ent Basins Phase 2																					$371,400											
24	S ri ger Bridge Replace ent																			$80,000				$982,300									
25	A ual CIP O&M - Sedi ent Traps Phase 2																							$818,200									
26	A ual CIP O&M - Sedi ent Basins Phase 3																							$809,000									
27	Lower Reac S abiliza io																						$225,000						$9,233,500				
28	A ual CIP O&M - Sedi ent Traps Phase 2																									$38,500			$839,000				
29	A ual CIP O&M - Sedi ent Basins Phase 3																												$978,900				
30	A ual CIP O&M - Sedi ent Traps Phase 2																														$859,800		
31	A ual CIP O&M - Sedi ent Basins Phase 3																														$1,003,100		
Biennium Budgets		**$4,676,300**								**$11,538,000**								**$10,983,300**								**$12,952,800**							
		Design				**Construction**				**Design**				**Construction**				**Design**				**Construction**				**Design**				**Construction**			
		$417,900				**$4,258,400**				**$423,300**				**$11,114,700**				**$473,500**				**$10,509,800**				**$38,500**				**$12,914,300**			



Landslide material in Swift Creek containing naturally-occurring asbestos



In dry weather, sediments containing asbestos pose a hazard.

Prevent asbestos exposure during dry weather

Swift Creek and downstream Sumas River carry asbestos from the Sumas Mountain landslide. In dry weather, sediments containing asbestos pose a hazard.

AVOID walking, driving, cycling, riding horses, or disturbing the riverbed or dredge piles

along Swift Creek and Sumas River, or where flooding may have left deposits.



- When disturbed, asbestos fibers in the dry sediments can become airborne.
- Airborne asbestos can be inhaled and potentially cause health problems.

For more information

Learn how to handle sediments to protect yourself and your family.

- Health Advisory: www.doh.wa.gov/portals/1/Documents/Pubs//334-211.pdf
- Flooding & Asbestos: www.whatcomcounty.us/DocumentCenter/View/61774/Swift-Creek-Sumas-River-Asbestos-and-Flooding-Fact-Sheet

For more Swift Creek Project information, see reverse side →

Publication 23-09-144 August 2023



Material del deslizamiento de Swift Creek el que contiene asbesto de origen natural



En clima seco, sedimentos que contienen asbestos representan un peligro a la salud.

Prevenga la exposición al asbesto durante el clima seco

Swift Creek y la parte río abajo del río Sumas transportan asbesto del deslizamiento de la montaña Sumas. En clima seco, sedimentos que contienen asbestos representan un peligro a la salud.

EVITE caminar, conducir, montar en bicicleta, correr a caballo, o perturbar el lecho del rio o las pilas de dragado

en Swift Creek y el río Sumas, o donde las inundaciones puedan haber depositado sus sedimentos.



- Las fibras de asbesto en los sedimentos secos del río pueden transportarse por el aire cuando se alteran.
- El asbesto en el aire puede inhalarse y potencialmente causar problemas de salud.

Para más información

Aprenda como manejar los sedimentos del río para protegerse a usted y a su familia.

- Aviso de salud: www.doh.wa.gov/portals/1/Documents/Pubs//334-211.pdf
- Inundaciones y asbesto: www.whatcomcounty.us/DocumentCenter/View/61829/Swift-Creek-Sumas-River-Asbestos-and-Floods_Spanish

Para más información del Proyecto de Swift Creek, vea el reverso.→

Publicación 23-09-144 ES agosto 2023

Allyson Brooks Ph.D., Director
State Historic Preservation Officer

December 1, 2021

Ms. Lucy McInerney
NW Regional Office
Department of Ecology
PO Box 330316
Shoreline, Washington 98133-9716

RE: Swift Creek Sediment Management Project
Log No: 2020-09-05950-ECY

Dear Ms. McInerney;

Thank you for contacting our department, pursuant Executive Order 21-02. We have reviewed the materials you provided for the proposed Swift Creek Sediment Management Project, Whatcom County, Washington.

We concur with the determination of No cultural resource impacts with the stipulation for unanticipated discovery plan.

Please provide the correspondence or comments from concerned tribes or other parties that you receive as you consult under the requirements of Executive Order 21-02.

In the event that archaeological or historic materials are discovered during project activities, work in the immediate vicinity must stop, the area secured, and the concerned tribes and this department notified.

These comments are based on the information available at the time of this review and on the behalf of the State Historic Preservation Officer. Should additional information become available, our assessment may be revised. Thank you for the opportunity to comment and a copy of these comments should be included in subsequent environmental documents.

Sincerely,

Robert G. Whitlam, Ph.D.
State Archaeologist
(360) 890-2615
email: *rob.whitlam@dahp.wa.gov*

2025-27 Biennial Budget HEAL Act Template

Background

HEAL Act requirements

The Healthy Environment for All Act (HEAL Act), Chapter 314, Laws of 2021 (RCW 70A.02) requires that "covered and opt in agencies" must implement the requirements of the HEAL Act. This includes the:

- Department of Ecology
- Department of Agriculture
- Department of Commerce
- Department of Health
- Department of Natural Resources
- Department of Transportation
- Puget Sound Partnership
- Office of the Attorney General

HEAL Act agencies that are considering a significant agency action initiated after July 1, 2023, are required to conduct an environmental justice assessment. RCW 70A.02.010(12) specifies that significant agency actions include:

- The development and adoption of significant legislative rules as defined in RCW 34.05.328.
- The development and adoption of any new grant or loan program that the agency is explicitly authorized or required by statute to implement.
- A capital project, grant, or loan award costing at least $12,000,000.
- A transportation project, grant, or loan costing at least $15,000,000.
- The submission of agency request legislation to the Office of the Governor or OFM.

Under RCW 70A.02.080, beginning on or before July 1, 2023, covered and opt in agencies must, where practicable, take specific actions when making expenditure decisions or developing budget requests to OFM and the Legislature for programs that address or may cause environmental harms or provide environmental benefits. This includes:

- Focus applicable expenditures on creating environmental benefits that are experienced by overburdened communities and vulnerable populations, including reducing or eliminating environmental harms, creating community and population resilience, and improving the quality of life of overburdened communities and vulnerable populations.
- Create opportunities for overburdened communities and vulnerable populations to meaningfully participate in agency expenditure decisions.
- Clearly articulate environmental justice goals and performance metrics to communicate the basis for agency expenditures.
- Establish a goal of directing 40% of grants and expenditures that create environmental benefits to vulnerable populations overburdened communities.

To help OFM understand how HEAL Act agency budget requests meet HEAL Act requirements, covered agencies are required to complete additional questions related to the HEAL Act. These questions are shown below and are in addition to the equity related questions required of all agencies. Covered agencies are asked to complete the following questions and submit them through ABS.

HEAL Act questions

If you answer YES to any of these bullet points, please answer the six additional questions and submit them as an attachment through ABS.

- Is this decision package part of an agency request legislation that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding to support another significant agency action that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding for a program/project/activity that may **provide environmental benefits or reduce, mitigate, or eliminate environmental harms**, (that is not a significant agency action)? Note: This may include decision packages for programs not purposely directed to provide environmental benefits but may have an indirect or unintentional impact.

  ☒ Yes

  ☐ No

If you answer YES to any of the above bullet points, please complete these additional questions.

1. Please describe specific likely or probable environmental harms and/or benefits related to your decision package and the associated health impacts to overburdened communities and vulnerable populations.

   The Swift Creek flood control and sediment management project will help mitigate the impacts of the slow-moving Sumas Mountain landslide on rural communities downstream of Swift Creek. This asbestos- and heavy metal-laden material is a potential threat to local residents, workers, and others active in impacted areas in and around Swift Creek and downstream portions of the Sumas River. People are most likely to come into contact with harmful soils during the dry season when exposure increases, particularly through dust inhalation. Our goal is to protect people who come into contact with contaminated sediment.

According to EPA's environmental justice screening tool, the affected vulnerable populations downstream of the landslide are above the 80th percentile for the criteria of children under the age of 5 and those with a less than high school education in Washington state.

This project engages with affected communities by providing regular reminders and accessible information. This includes designing and implementing community outreach in ways that address community concerns, are culturally effective, and linguistically appropriate. The project will continue to publish information, hold community learning opportunities, and provide Spanish language access.

2. Please describe the estimated percentage and amount of the requested funds that will go towards creating environmental benefits in overburdened communities and vulnerable populations as defined in OFM's the OBC map or as determined by the agency. If applicable, please include your methodology for making this estimate, including project/award lists if available.

   The Sumas River and Swift Creek are not located with an overburdened community according to OFM's OBC map.

3. Please describe any potential significant impacts to Indian Tribes' rights and interest in their tribal lands, as well as traditional practices.

   The project lies within the Usual and Accustomed (U&A) areas for a couple of tribes. The Lummi and Nooksack were party to the Treaty of Point Elliot, which reserved for the tribes the right of taking fish at usual and accustomed grounds and stations. The Nooksack have claimed the entirety of the Nooksack and Samish watersheds as part of their U&A areas. The Lummi and Nooksack have been interested and involved in species recovery and salmon survival projects.

4. Describe how your agency engaged with Tribes in developing this proposal, including offers for tribal consultation including timelines, methods for feedback, and mechanisms for Tribes to express concern, opposition, or support., and any direction provided by Tribes through this engagement.

Per Executive Order 21-02 (E.O. 21-02), Ecology conducted a cultural resource review for the Swift Creek flood control and sediment management project. This included an E.O. 21-02 cultural resource consultation with the Lummi Nation, Nooksack Indian Tribe, Upper Skagit Tribe, Snoqualmie Indian Tribe, Sauk-Suiattle Tribe, Swinomish Indian Tribal Community, Samish Indian Nation, Colville Tribes, and Nlaka'pamux Nation, as well as the Department of Archaeology and Historic Preservation (DAHP).

Through the cultural resources consultation, Ecology engaged with the above-listed Tribes to share project information and engage in planning. The consultation included a 30-calendar day comment period during which Ecology requested review of preliminary findings of impacts to

cultural resources. No comments were received from our Tribal Partners. DAHP provided concurrence with Ecology's preliminary findings. After the comment period, Ecology issued a final determination of a low potential to impact cultural resources or historic properties for the project. An IDP was completed for the project and submitted to DAHP on April 14, 2022. Per Ecology policy, contractors are given a training on identifying possible artifacts and following the IDP prior to starting construction.

5. If the decision package is part of agency request legislation or supports another significant agency action that is required to complete an environmental justice assessment under RCW 70A.02.010(12), please submit the assessment as an attachment in ABS.

   No, none is required.

6. If the decision package is part of agency request legislation or constitutes a significant agency action that is required to complete an environmental justice assessment, please describe how your agency used the environmental justice assessment process to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits. If your agency determined that you were unable to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits, please provide a justification for not doing so.

   N/A

OFM

461 - Department of Ecology
Capital Project Request

2025-27 Biennium

*

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/16/2024 5:04PM

Project Number: **40000651**
Project Title: **2025-27 Product Replacement Program**

Description

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 19

Project Summary

Many businesses use toxic chemicals and products to operate, which puts workers and customers at risk and can contaminate Washington's environment. These businesses may wish to explore new, safer practices or switch products, but they need assistance to make these changes. Ecology's Product Replacement Program collaborates with local government partners to provide financial incentives and technical assistance to Washington businesses to remove or replace the worst of these chemicals through technology and infrastructure upgrades, best management practices, disposal programs, and the use of safer chemicals. Requested funding will replace machinery, switch to safer products, and/or make building improvements, which will produce long-term preventative benefits for both the businesses and the public. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

What is the proposed project?

Ecology is requesting $9 million to continue its Product Replacement Program (PRP) in the 2025-27 biennium. The PRP began as a pilot program with funding from the 2019-21 capital budget to implement priority recommendations from Chemical Action Plans (CAP). Ecology received funding to continue this successful program in the following biennia. The PRP removes and replaces toxic chemicals present in products, processes, and technologies to help prevent toxics from entering the environment. One of the best and most effective ways to prevent further environmental contamination, protect water quality, and reduce human health risk is to eliminate these toxic chemicals at the source. A summary of the PRP's past progress can be found in the 2021-23 Biennial Report: Product Replacement Program: 2021–2023 (wa.gov) (https://apps.ecology.wa.gov/publications/SummaryPages/2304056.html).

This funding will directly help small businesses throughout the state implement changes that remove toxic chemicals from their facilities and processes to create a safer and healthier workplace for their employees and customers. This funding will also help improve these small businesses' bottom line by reducing dangerous waste management expenses. Without this financial assistance, many businesses will be unable to implement these changes.

Funding in the 2025-27 biennium will continue and build on the success of the PRP and allow Ecology to eliminate additional sources of toxic chemicals. Ecology will:

- Collect and dispose of per and polyfluoroalkyl substances (PFAS), containing firefighting foam from fire stations and the Washington State Department of Transportation (WSDOT). Ecology will complete an Environmental Impact Statement (EIS) evaluating five alternatives and select the best disposal alternative in 2024. The collection and disposal program are expected to begin late 2024 or in 2025 and will continue into the 2025-27 biennium. Other entities using PFAS-containing firefighting foam, such as airports and businesses with fire suppression systems, have requested Ecology to expand this collection and disposal program beyond municipal fire stations to further remove this source of PFAS.

- Continue to implement a voucher program for public and Tribal K-12 schools to replace polychlorinated biphenyls (PCB), containing light ballasts at schools, especially targeting schools in disadvantaged communities (program launched in April 2022). To increase participation in this project, Ecology will contract with electricians to provide identification, removal, replacement, and disposal services to schools. Many schools do not have the staff or contracting capacity to implement this work and then seek reimbursement through our voucher program. Contracting for these services will remove this barrier so Ecology can successfully find and remove PCB, containing light ballasts before they fail and expose students and teachers to this danger.

- Continue a program to replace part-washing equipment and solvents at automotive maintenance and repair facilities. As of

Project Number: 40000651
Project Title: 2025-27 Product Replacement Program

Description

April 30, 2024, Ecology received over 350 applications for assistance and has assisted more than 130 shops with the costs of switching to safer parts washers. Ecology will increase outreach to enroll additional automotive maintenance shops. This program could also be expanded to other industries that use part-washing equipment and solvents, including boatyards, metalworking and fabrication facilities, wood furniture manufacturers, and facilities with painting operations.

- Implement a program to replace toxic and unnecessary flame retardant containing foam at gymnasiums, play centers, and recreational facilities. Ecology is piloting a replacement project at two gymnasiums in 2024 and will use lessons learned to develop a broader program. This project will prevent children and young people from exposure to toxic chemicals.

- Implement a program to help cosmetologists and salons switch to safer cosmetics in support of the Toxic Free Cosmetics Act passed during the 2023 legislative session. This program will help small cosmetics businesses, such as hair and nail salons, offset the potential costs required to switch to safer products and product formulations and prioritize funding to women-owned and minority-owned businesses. Cosmetologists experience a higher risk of exposure to toxic chemicals due to their work environment, and women of color are especially vulnerable to these chemical exposures due to factors such as occupation (beauty industry workers are predominantly women of color and immigrants), cultural and religious differences, and beauty standards that promote European features.

Studies have shown that women have higher levels of harmful chemicals found in cosmetics detected in their bodies than men, and black women have higher levels than white women. Those in the beauty industry often face health hazards at work due to exposure to harmful chemicals in professional cosmetic products and insufficient workplace safety standards.

- Develop a school laboratory and art studio clean-out program at public and Tribal K-12 schools. These sources can easily build extensive inventories of chemicals and products that may become expired, forgotten, mislabeled, or simply never inventoried. Many schools may not practice best management practices to ensure these products are inventoried, stored properly, and disposed of correctly when expired or no longer of useful value, which can lead to a variety of dangers and concerns to both staff and student health and environmental health.

- Explore implementing an artificial turf field replacement program. Artificial turf can be a source of several toxic chemicals, including PFAS, 6PPD, and lead. Ecology is scoping a study to evaluate various types of fields as pathways of these chemicals to stormwater, groundwater, and air. Results of this study will help Ecology prioritize a replacement program to reduce player exposure and environmental contamination.

- Explore a vinyl flooring replacement program for childcare centers. Some vinyl flooring contains phthalates, exposing children and their caregivers to this toxic chemical.

Ecology will likely end two other replacement programs. The perchloroethylene (PERC) dry cleaner replacement voucher program has successfully converted or decommissioned 78 of the 110 known PERC dry cleaners. Of the 78 dry cleaners, 75% converted to professional wet cleaning technology, which Ecology determined to be the safest for public health and the environment.

During the 2023-25 biennium, Ecology also launched a thermal paper receipt replacement program to help businesses switch to receipts that do not contain bisphenols, which can be harmful to human health and wildlife. Interest in this program has been lower than anticipated, and the Safer Products for Washington restriction on the sale, manufacture, and distribution of this type of thermal paper goes into effect January 1, 2026, so Ecology anticipates ending this program in 2025.

In addition to continued implementation of the PRP, part of the requested funding is for the Pollution Prevention Assistance (PPA) Partnership (formerly Local Source Control Partnership). Capital funding received in the last two biennia allowed

Project Number: 40000651
Project Title: 2025-27 Product Replacement Program

Description

Ecology to add seven new city and county partners to PPA Partnership. This funding request will support adding three new large-coverage partners to the partnership. Increasing PPA Partnership coverage increases Ecology's ability to help businesses safely manage and remove toxic chemicals from use.

The PPA Partnership is comprised of local government technical specialists from cities, counties, and health districts. These specialists help small businesses understand and comply with dangerous waste and stormwater laws and provide assistance with spill prevention and cleanup preparedness. Ecology collaborates with our PPA partners to identify and work with businesses that participate in the PRP. For more information on the PPA Partnership, see the Pollution Prevention Assistance Partnership 2021-2023 Biennium Report at: Pollution Prevention Assistance Partnership: 2021–2023 Biennium Report (wa.gov) (https://apps.ecology.wa.gov/publications/SummaryPages/2404016.html).

What opportunity or problem is driving this request?
Chapter 173-333 WAC, the Persistent Bioaccumulative Toxins (PBT) rule, requires Chemical Action Plans, "CAPS" for chemicals listed in the rule. Ecology has developed similar plans for other priority chemicals outside of the rule, and those are called "Action Plans" to differentiate. Over the years, Ecology collaborated with the Washington State Department of Health (DOH) to complete six CAPs and one Action Plan on major toxic chemicals. These CAPs make recommendations on how to protect people and the environment from toxic chemicals. Only a few of these recommendations have been implemented due to resource constraints. Prior to the 2019-21 biennium, staff, and funding to implement CAP recommendations was limited. Providing this funding will help reduce exposing people across Washington to PFAS, PCBs, mercury, polycyclic aromatic hydrocarbons (PAHs), polybrominated diphenyl ethers (PBDEs), lead, and phthalates. Ecology is currently developing an Action plan for 6PPD-q, which will include recommendations for implementing projects through the PRP.

The best way to prevent environmental contamination, protect water quality, and reduce human health risk is to remove toxic chemicals from a product before it is manufactured. Exposure to toxic chemicals in existing products can be eliminated through active removal programs. Ecology's success during the first several years of operating the PRP demonstrates the future of pollution prevention is to remove toxic chemicals at the source by switching out antiquated equipment and removing toxic products from commerce.

What are the specific benefits of this project?
This request will help reduce health and environmental threats to workers and the public from multiple priority toxic chemicals used at businesses. It will also help businesses by providing financial and technical assistance so they can create a safer workplace for their employees and customers. Also, by removing these toxic chemicals from use, this request will reduce future environmental harm from spills and releases, saving the state costly cleanup. Ecology's success during the first five years of the PRP demonstrates the opportunities to make changes that benefit people, fish, orca, and the environment.

With this funding, Ecology will continue to help businesses reduce human and environmental exposure to toxic chemicals. Ecology will:

- Collect and dispose of 59,000 gallons of PFAS-containing firefighting foam from municipal fire stations across the state and WSDOT.

- Provide contracted services to public and Tribal schools to identify, remove, replace, and dispose of PCB-containing light ballasts.

- Continue to help automotive repair shops switch to safer parts washers and cleaners and may expand to other business sectors using toxic solvents in their processes.

Project Number: 40000651
Project Title: 2025-27 Product Replacement Program

Description

- Launch a voucher program to help gymnastic centers and schools remove foam blocks that contain toxic and unnecessary flame retardments and replace them with safer foam blocks reducing children and athletes' exposure to these toxic chemicals. This program will build off lessons learned during the pilot project funded in the previous biennium.

- Continue a voucher program to help salons switch to cosmetics free of toxic chemicals.

- Scope and develop a school laboratory and art studio clean out program to assist schools safely manage and dispose of old, unused, and less safe chemicals. This program will provide safer products and green chemistry curriculum to schools.

Additionally, during the 2023-25 biennium, Ecology has launched two new efforts which may lead to projects in the 2025-27 biennium:

- Ecology is starting a study to characterize artificial turf fields as a source of PFAS, 6PPD, and lead to the environment. Depending on the result of this study and the feasibility of a replacement program, Ecology may launch a field replacement program.

- Ecology is piloting an incentive program to help medium and large quantity generators of dangerous waste implement new measures to reduce or eliminate the use, generation, or release of toxic chemicals or dangerous waste; conserve natural resources like energy and water; and reduce green-house gas emissions. Depending on the interest and success of this pilot program, Ecology may continue or expand this voucher incentive to assist more businesses adopt environmentally friendly processes.

Ecology will continue to explore additional opportunities to assist businesses adopt safer practices and create safer working environments. As an example, PRP plans to determine the feasibility of a vinyl floor replacement program for childcare centers.

To support expansion of the PRP's impact, Ecology will also bring up to three additional new municipal partners into our PPA Partnership.

What are the effects of non-funding?
This funding supports Ecology's PRP and Pollution PPA Partnership. If this request is not funded, our ability to protect public health and the environment by stopping the use of toxic chemicals and products at businesses would be limited.

The PRP is a prevention program rather than a remediation program, allowing Ecology to intervene sooner and use taxpayer money more efficiently. Without funding, Ecology would have to eliminate one of the few programs dedicated to removing the harm from toxic chemicals before they impact the environment or a community. Without this assistance, many businesses would not be able to switch to safer alternatives, resulting in continued contamination affecting the health of humans and the environment, including salmon and orca. Workers and often the most vulnerable communities, would continue to be needlessly exposed to higher levels of these harmful chemicals.

Without continued funding for the PPA Partnership, Ecology would not be able to meet the local community demand for this program. Small businesses would not be able to get technical assistance in reducing toxic chemical spills, correcting illicit wastewater and stormwater discharges, and ensuring proper management of chemicals and dangerous wastes. Local government would continue to fall behind in controlling environmental releases from smaller businesses.

Project Number: 40000651
Project Title: 2025-27 Product Replacement Program

Description

Why is this the best option or alternative?
The PRP is the best option for reducing the use of the worst of the worst chemicals because, at a small cost, it funds highly effective projects that otherwise would not be completed, especially in hard economic times. These projects remove the source of toxic pollutants so they no longer enter the environment, workplace, drinking water, and food chain.

The alternative would be to end the PRP and rely on traditional approaches, such as education and outreach, compliance and enforcement, and cleanup after the contamination happens. Unfortunately, these programs are less effective at preventing pollution, and are more expensive. We can teach businesses about the dangers of the chemicals they use and hope they make changes on their own, and we can require businesses to make changes when they are out of compliance with regulations. However, in those cases, the toxic chemicals would remain in use with the potential for a spill, release, or future compliance issues.

Helping Washington businesses with technical and financial assistance to purchase new technology and switch to safer processes and chemicals is a very effective pollution prevention method because it eliminates the release of toxic chemicals at the source. It also invests taxpayer funds at the most efficient point, boosts local businesses and local economies, and protects public health. Finally, the PRP better assures equity by providing funding throughout the state, with an emphasis on overburdened communities and vulnerable populations, and it shifts the cost burden from individual small businesses that operate within tight margins to more efficient economies of scale that the state can help facilitate.

How will clients be affected and services change if this project is funded?
If this request is funded, financial and technical assistance to businesses will continue to be available throughout Washington. Funding this request will also allow Ecology to expand the PRP to other products, chemicals, businesses, and communities. Ecology will prioritize the most in-need communities and businesses by continuing to use environmental justice tools and resources.

Ecology already funds work done by cities and counties through the PPA Partnership to provide free, one-on-one technical assistance to small businesses. Specialists in these local jurisdictions show businesses how to properly manage and reduce their wastes and help diagnose and fix stormwater-related issues. Specialists also offer businesses help with complicated regulatory issues. The funding in this request will continue to support partners brought into the PPA Partnership during the previous two biennia and will allow Ecology to expand services to currently underserved parts of the state. This funding will allow local partners to provide a financial incentive to businesses to eliminate sources of toxic chemicals in more parts of the state.

Focus on Equity:
Target Populations and Communities
PRP projects benefit businesses, workers, and communities by helping remove or reduce the use of toxic chemicals at businesses. This reduces worker and customer exposure to these chemicals and reduces the likelihood of spills to the environment and contamination in communities. Each PRP project is evaluated for opportunities to focus this assistance to benefit overburdened and vulnerable populations. The Department of Health's Environmental Health Disparities Map is used to determine where to concentrate outreach to businesses and how the PRP prioritizes which businesses receive financial assistance. For some PRP voucher programs, businesses have been asked to self-identify as a business that employs or serves vulnerable populations. The majority of PRP projects are also designed to assist small and independently owned businesses.

Project Number: 40000651
Project Title: 2025-27 Product Replacement Program

Description

Community Outreach and Engagement
Experience and lessons learned through implementation of the PRP during previous biennia informed our considerations for ensuring this request supports outreach and engagement with overburdened communities and vulnerable populations. Project leads have worked closely with the community and business sectors receiving technical and financial assistance to understand potential barriers to accepting this assistance. These include not being aware of the hazards posed by their current processes or products, apprehension about regulatory actions, language barriers, or lack of resources. As a result of this feedback, the PRP adjusted outreach to these communities to include providing information in multiple languages, working with respected partners who can carry our messages, providing technical assistance to make needed changes, and connecting businesses with other resources, such as American Rescue Plan Act (ARPA) funds to continue their operations during the COVID pandemic. Ecology's Hazardous Waste and Toxics Reduction Program Environmental Justice Planner, Office of Equity and Environmental Justice, and the Tribal Liaison work together and, and when appropriate, solicit input from the business sector or community organizations and convene focus groups of communities from vulnerable populations most impacted by product replacement. Our PPA partners also provide valuable insight into potential equity considerations within their individual jurisdictions.

Disproportional Impact Considerations
Implementing this request will provide environmental and health benefits to overburdened communities, vulnerable populations, and Tribes that participate in our program. The PRP removes toxic chemicals from use, which benefits workers and customers interacting with these businesses and for Washington residents living near these businesses. Because the PRP approaches the work with an equity lens by prioritizing projects in communities and business sectors with higher environmental health disparities, the PRP is reducing some of the disproportionate environmental harms facing these populations. If any project requires waste disposal in or transportation through overburdened communities or Tribal lands, the PRP will conduct an environmental justice assessment of the potential impacts and work with those communities or Tribes to mitigate those impacts.

HEAL Act Agencies Supplemental Questions
See attached.

What is the agency's proposed funding strategy for the project?
Consistent with how the PRP was funded during the first five years, Ecology is requesting funding from the Model Toxics Control Capital Account for this project. The funding strategy for this project will be modeled after our current strategy and incorporate lessons learned. This request includes funds for product and equipment replacements, staff, and contracting with cities and counties to implement the program in their communities. Where there is not a local PPA partner, Ecology staff will work with businesses directly. The funding for this project includes:

- $3.2 million for product and equipment replacements.

- $1.7 million for Ecology staff to coordinate program development and implementation.

- $4.1 million for contracts with cities and counties to fund PPA partners.

Many of the product and equipment replacement programs will use a voucher program similar to the process used for the PERC replacement program. Our local PPA partners are funded through interagency agreement contracts.

The PPA partners and Ecology staff will work with the businesses to ensure they qualify for the financial incentive and help them with the paperwork to apply to the program. Once the business's voucher has been approved by Ecology, the business

Description

will purchase and install the new qualifying safer technology and submit receipts to Ecology for partial or full reimbursement, depending on the program guidelines.

Based on guidance from the Attorney General's Office on the use of state resources (RCW 42.52.160 and WAC 292-110-010), both public and private entities are eligible for financial incentive agreements because the work results in a tangible public health benefit. To be eligible for PRP funding, participating facilities must meet the general eligibility criteria established by Ecology, including the ability to show tangible benefit to the public from this pollution prevention activity. Reimbursement will be awarded only after successfully completing and reporting on defined deliverable(s), such as switching to a safer alternative, disposing of contaminated products, and/or adopting cleaner technologies. Ecology and local government partners assume no liability of any nature arising from products or services funded through the PRP.

Are FTEs required to support this project?
Ecology requires 5.75 FTEs to provide administrative oversight and management of the Product Replacement Program. This represents an increase of two direct FTEs over what was requested in 2023-25. These staff will administer the PRP and PPA by planning and prioritizing individual projects and leading the individual voucher and incentive programs. Each project requires a lead to develop the incentive program, market it to businesses, draft eligibility guidelines, ensure timely reimbursement to participating businesses, and ensure equity in the distribution of funds so the PRP prioritizes assistance to overburdened communities and vulnerable populations.

Please note, these FTEs support both this new appropriation and other related reappropriation projects under this capital program.

How does the project support the agency and statewide results?
This request is essential to achieving the following Governor's Results Washington goals:

Goal 2: Prosperous Economy because it will:

- Provide financial and technical assistance to small businesses and create jobs within local municipal agencies.

- Help businesses reduce regulatory liability and implement healthier and safer practices they may otherwise not be able to afford.

- Help businesses with infrastructure costs that often result in long-term cost savings such as reduced dangerous waste disposal costs, reduced chemical purchase costs, fewer worker illnesses and injury claims, and increased customer loyalty due to their safer practices.

Goal 3: Sustainable Energy and a Clean Environment because it will eliminate the use of toxic chemicals and protect public health.

This request is essential to achieving the following Ecology goals:

Goal 1: Support and Engage our Communities, Customers, and Employees because it will:

- Provide funding to businesses to implement changes that remove toxic chemicals from their businesses, facilities, and processes to create safer and healthier workplaces for their employees and customers.

- Evaluate environmental justice considerations, for each product replacement project, to ensure equitable distribution of the funds in communities with the greatest health, socio-economic, and environmental disparities.

- Provide funding to city and county partners so they can provide technical assistance to businesses within their jurisdictions.

Goal 3: Prevent and Reduce Waste, Toxic Threats, and Pollution because it will eliminate the use of harmful chemicals and

Project Number: 40000651
Project Title: 2025-27 Product Replacement Program

Description

products and promote safer alternatives by providing technical assistance for proper management of dangerous chemicals.

Goal 4: Protect and Manage our State's Waters because it will:

- Eliminate the use of toxic chemicals before they pollute waterways and Puget Sound.

- Address stormwater runoff by providing funding to our PPA Partnership cities and counties to help businesses implement best management practices.

Puget Sound recovery
This request supports several Orca Task Force Recommendations as well as supports the 2022-2026 Puget Sound Action Agenda implementation through various Vital Signs, Strategies, Targets, Desired Outcomes, Actions, and Science Work Plan included in the Action Agenda. See attachment A for a complete list of linkages between this request and the agenda.

How will the other state programs or units of government be affected if this project is funded?
Removing toxic chemicals from use now will reduce future cleanup costs. Removing toxic chemical use in commerce and manufacturing results in healthier workplaces and neighborhoods, potentially reducing worker's compensation claims and helping to reduce health issues addressed through some DOH programs. Providing contracts to cities and counties to help implement this program allows these municipalities to prioritize and focus on issues in their communities and create livable wage jobs.

What is the impact on the state operating budget?
Base support for the PPA Partnership is provided by approximately $4.6 million in ongoing funding within Ecology's biennial operating budget. Since 2021-23, capital budget funding has been used to expand the PPA Partnership to meet the demand from additional local communities to join. The combination of operating and capital funding is essential to support all the local partners who provide technical assistance to businesses throughout the state and help Ecology implement the PRP.

Location
City: Statewide **County:** Statewide **Legislative District:** 098

Project Type
Grants

Application process used
The primary methods for the distribution of funding are through direct reimbursement payments to businesses that implement an eligible product replacement, payment to a state contractor for collection and disposal, and contract awards to PPA partners to provide technical assistance. For each product replacement effort, Ecology develops a process to ensure funding is fairly and equitably across the state to the most businesses and communities possible.

Growth Management impacts
N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	New Approps
23N-1	MTC Capital Account-State	45,000,000				9,000,000
	Total	**45,000,000**	**0**	**0**	**0**	**9,000,000**

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Capital Project Request

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/16/2024 5:04PM

Project Number: 40000651
Project Title: 2025-27 Product Replacement Program

Funding

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State	9,000,000	9,000,000	9,000,000	9,000,000
	Total	**9,000,000**	**9,000,000**	**9,000,000**	**9,000,000**

Operating Impacts

No Operating Impact

Attachment A

Linkages to Puget Sound Action Agenda Implementation

This attachment provides additional supporting details for the following capital project request (CPR) as it relates to the Puget Sound 2022-2026 Action Agenda implementation.

CPR Title: 2025-27 Product Replacement Program

Vital Signs

- Toxics in Aquatic Life
- Orcas
- Salmon
- Economic Vitality
- Good Governance
- Sound Stewardship

Strategies

- 8. Prevent Pollution
- 21. Sense of Place
- 23. Transparent and Inclusive Governance
- 26. Human Health

Targets – Reduce the amount of toxic chemicals used or generated hazardous waste an additional 8,000 pounds above their existing goal of 160,000 pound and realize an additional cost savings for participating businesses of $20,000 above their existing cost-savings goal of $400,000

Desired Outcomes

- 2.1.1. Toxic hotspots where stormwater runoff or wastewater contain significant concentrations of numerous toxic chemicals reduced through improved source control and/or treatment.
- 2.1.2. Presence of chemicals of emerging concern in consumer goods reduced.
- 2.1.3. Proper disposal of goods containing chemicals of emerging concern increased.
- 2.1.4. Toxics in infrastructure and building materials removed through source control and/or management/remediation.
- 2.1.5. In-water and near-water sites that exceed state standards for contamination prioritized and cleaned up.
- 5.1.1. Opportunities for stress reduction and motivation from natural environments for diverse human communities are enhanced.
- 5.1.2. Attachments among all residents to Puget Sound's environments (including natural, biocultural, and anthropogenic places) are acknowledged and respected and recognized as opportunities to achieve the Action Agenda.
- 5.2.1. Decision making is made more inclusive by participation of a broader set of committed stakeholders and diverse forms of knowledge early in ecosystem recovery processes.

- 5.2.2. Capacity for overburdened communities to engage in environmental decision making is increased.
- 5.2.3. Transparency in environmental and natural resource management decision making and the use of science is improved.
- 5.2.4. Trust is increased by including and communicating directly and effectively with new and diverse audiences.
- 5.6.4. Levels and patterns of pollutants and biotoxins in surface waters do not threaten the health of Puget Sound communities or vulnerable populations.

Actions

- 33. Incentivize redevelopment in areas associated with high loads of toxic chemicals.
- 41. Find and fix toxic hotspots (information, planning, education, funding, and implementation).
- 42. Promote the development and use of safer alternatives to toxic chemicals.
- 43. Prioritize, prevent, and manage (regulations, permits, and incentives) chemicals of emerging concern.
- 44. Increase product testing for compliance with consumer and environmental safety rules.
- 96. Conduct and coordinate research to improve the understanding of ecosystem-industry interactions.
- 98. Promote multi-benefit solutions in restoration and protection project development to include considerations for job creation.
- 161. Ecosystem recovery processes and decision-making are inclusive of a broader set of committed stakeholders and diverse forms of knowledge.
- 162. Increase capacity for overburdened and historically marginalized communities to engage in environmental decision-making.
- 163. Increase trust by including and communicating directly and effectively with new and diverse audiences.

Ongoing Program - OGP_ECY03 Hazardous Waste and Toxics Reduction - Pollution Prevention Assistance Partnership in Puget Sound

Orca Task Force Recommendations

- 29. Accelerate the implementation of the ban on polychlorinated biphenyls in state-purchased products and make information available online for other purchasers.
- 30. Identify, prioritize and take action on chemicals that impact orcas and their prey.
- 31. Reduce stormwater threats and accelerate clean-up toxics harmful to orcas.

Science Work Plan - 7. PRIMARY: Characterize human health and environmental risks from chemicals of emerging concern.

2025-27 Biennial Budget HEAL Act Template

Background

HEAL Act requirements

The Healthy Environment for All Act (HEAL Act), Chapter 314, Laws of 2021 (RCW 70A.02) requires that "covered and opt in agencies" must implement the requirements of the HEAL Act. This includes the:

- Department of Ecology
- Department of Agriculture
- Department of Commerce
- Department of Health
- Department of Natural Resources
- Department of Transportation
- Puget Sound Partnership
- Office of the Attorney General

HEAL Act agencies that are considering a significant agency action initiated after July 1, 2023, are required to conduct an environmental justice assessment. RCW 70A.02.010(12) specifies that significant agency actions include:

- The development and adoption of significant legislative rules as defined in RCW 34.05.328.
- The development and adoption of any new grant or loan program that the agency is explicitly authorized or required by statute to implement.
- A capital project, grant, or loan award costing at least $12,000,000.
- A transportation project, grant, or loan costing at least $15,000,000.
- The submission of agency request legislation to the Office of the Governor or OFM.

Under RCW 70A.02.080, beginning on or before July 1, 2023, covered and opt in agencies must, where practicable, take specific actions when making expenditure decisions or developing budget requests to OFM and the Legislature for programs that address or may cause environmental harms or provide environmental benefits. This includes:

- Focus applicable expenditures on creating environmental benefits that are experienced by overburdened communities and vulnerable populations, including reducing or eliminating environmental harms, creating community and population resilience, and improving the quality of life of overburdened communities and vulnerable populations.
- Create opportunities for overburdened communities and vulnerable populations to meaningfully participate in agency expenditure decisions.
- Clearly articulate environmental justice goals and performance metrics to communicate the basis for agency expenditures.
- Establish a goal of directing 40% of grants and expenditures that create environmental benefits to vulnerable populations overburdened communities.

To help OFM understand how HEAL Act agency budget requests meet HEAL Act requirements, covered agencies are required to complete additional questions related to the HEAL Act. These questions are shown below and are in addition to the equity related questions required of all agencies. Covered agencies are asked to complete the following questions and submit them through ABS.

HEAL Act questions

If you answer YES to any of these bullet points, please answer the six additional questions and submit them as an attachment through ABS.

- Is this decision package part of an agency request legislation that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding to support another significant agency action that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding for a program/project/activity that may **provide environmental benefits or reduce, mitigate, or eliminate environmental harms**, (that is not a significant agency action)? Note: This may include decision packages for programs not purposely directed to provide environmental benefits but may have an indirect or unintentional impact.

  ☒ Yes

  ☐ No

If you answer YES to any of the above bullet points, please complete these additional questions.

1. Please describe specific likely or probable environmental harms and/or benefits related to your decision package and the associated health impacts to overburdened communities and vulnerable populations.

Implementation of this request will provide environmental and health benefits to overburdened communities, vulnerable populations, and Tribes that participate in our program. The PRP removes toxic chemicals from use, which results in beneficial impacts for workers and customers interacting with these businesses and for Washington residents living near these businesses. Because PRP approaches the work with an equity lens by prioritizing PRP projects in communities and business sectors with higher environmental health disparities, PRP is reducing some of the disproportionate environmental harms facing these populations. If any project requires waste disposal in or transportation through overburdened communities or Tribal lands, PRP will conduct an

environmental justice assessment of the potential impacts and work with those communities or Tribes to mitigate those impacts.

2. Please describe the estimated percentage and amount of the requested funds that will go towards creating environmental benefits in overburdened communities and vulnerable populations as defined in OFM's the OBC map or as determined by the agency. If applicable, please include your methodology for making this estimate, including project/award lists if available.

PRP estimates approximately 35-45% of the requested funding will go toward creating environmental benefits in overburdened communities. This is based on PRP's past spending on projects. Long-term projects include a PERC dry cleaner replacement project, an auto repair shop degreaser parts-washer replacement project, and an airport test-box program to reduce PFAS-firefighting foam release to the ground. Examining the total spending spent since 2019 for these three programs indicates PRP has spent 38% of past funding in OBC areas on OFM's map. For all PRP projects we take into consideration various equity factors to prioritize funding to overburdened communities and vulnerable populations, so the rate of spending for this request is expected be similar or increased.

3. Please describe any potential significant impacts to Indian Tribes' rights and interest in their tribal lands, as well as traditional practices.

No proposed work will have significant impacts to Indian Tribes' rights and interests. If a future proposed project could have impact, PRP will conduct an environmental justice assessment of the potential impacts and work Tribes to mitigate those impacts.

4. Describe how your agency engaged with Tribes in developing this proposal, including offers for tribal consultation including timelines, methods for feedback, and mechanisms for Tribes to express concern, opposition, or support., and any direction provided by Tribes through this engagement.

Ecology did not engage directly with Tribes in developing this proposal. When specific PRP projects are developed, Ecology consults with the HWTR Program Environmental Justice Planner, the agency Office of Equity and Environmental Justice, and the agency Tribal Liaison, and when appropriate solicit input from business sector or community organizations and convene focus groups of communities from vulnerable populations most impacted by the product replacement. When a project has connection to Tribal land or Tribal interest Ecology will engage in Tribal consultation. A current example of this engagement is work on a study to evaluate artificial turf fields as a source of 6PPD-q and PFAS to stormwater. Our study team is meeting with Tribal interests.

5. If the decision package is part of agency request legislation or supports another significant agency action that is required to complete an environmental justice assessment under RCW 70A.02.010(12), please submit the assessment as an attachment in ABS.

   N/A

6. If the decision package is part of agency request legislation or constitutes a significant agency action that is required to complete an environmental justice assessment, please describe how your agency used the environmental justice assessment process to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits. If your agency determined that you were unable to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits, please provide a justification for not doing so.

   N/A

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/9/2024 11:43AM

Project Number: 40000641
Project Title: 2025-27 ASARCO Everett Smelter Plume Cleanup

Description

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 20

Project Summary

This request will accelerate cleanup work related to the ASARCO smelter site in the City of Everett, which operated from 1894 to 1912. The smelter released arsenic, lead, and other contamination into the air that subsequently contaminated the city's residential soil, groundwater, and industrial areas adjacent to the Snohomish River. Without cleanup, these sites pose threats to public health, the environment, groundwater, and fish and wildlife resources. Cleaning up these sites will protect public and environmental health, create jobs, and promote economic growth. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

What is the proposed project?

Ecology is requesting $7,239,000 to continue cleanup and remediation work for the Everett Smelter Plume (ESP) site. Historically, these activities have been funded from the Cleanup Settlement Account (CSA). The Legislature created this account in 2008 to manage money from settlements or court orders in cases of bankruptcy, limited ability to pay, or natural resource damages. In 2009, the ASARCO bankruptcy settlement provided the state with $33.9 million to pay for cleaning up the Everett Smelter Plume site. Ecology's current cleanup estimate for this site is $78 million, which has gradually increased over more than 24 years from the original estimates, due to inflation. The growth in estimated cleanup costs has resulted in a funding shortfall of approximately $44 million to fully address cleanup and remediation work.

Ecology previously projected the exhaustion of CSA funds by the end of the 2019-2021 biennium; however, spending freezes associated with the COVID-19 pandemic significantly delayed the project. The Everett portion of the ASARCO bankruptcy settlement deposited in the CSA will be exhausted by the end of the 2023-25 biennium (these funds have already been appropriated).

Ecology is requesting additional appropriation from the Model Toxics Control Capital Account (MTCA Capital) in the 2025-27 biennium to continue remediation and outreach work and prevent funding gaps that could cause costly delays for the public works contracting process.

This request will continue the accelerated cleanup and outreach activities at the following locations (including required staffing):

- Industrial Areas Adjacent to the Snohomish River (Lowlands) - $4 million

During the 2025-27 biennium, Ecology will continue to conduct required cleanup work and institute controls to help reduce contaminant exposure to human health, wildlife, and the environment.

- Residential locations along East Marine Drive (Uplands) - $2 million

The Uplands residential area contains elevated levels of arsenic and lead and includes more than 700 residential properties. This request will continue remediation work of remaining residential properties (estimated to be 150 properties) and includes completing site sampling, developing cleanup plans, and remediating remaining properties. This will help reduce potential arsenic and lead exposure to children who may encounter contaminated soil and to aquatic species in the Snohomish River.

- Staffing - $1.239 million

Project Number: 40000641
Project Title: 2025-27 ASARCO Everett Smelter Plume Cleanup

Description

Staff are required for outreach to property owners and the community-at-large to oversee and administer site remediation. Activities include coordinating property access and cleanup staging; planning and completing sampling; and continuing education, technical support, and outreach campaigns during remediation.

What opportunity or problem is driving this request?
In late 2009, Washington State received settlement funds from ASARCO to pay for cleanup costs at its former smelter operations. The proceeds from this settlement were deposited into the CSA and those dedicated to the Everett Smelter Plume. These funds have all been previously appropriated and are expected to be fully spent by the end of the 2023-25 biennium. This budget request will continue cleanup activities at the Everett Smelter Plume site and reduce the contamination threats posed to public health, the environment, groundwater, and fish and wildlife resources. Children, who have hand-to-mouth behaviors, are at a particularly high risk of exposure to contamination at the site.

What are the specific benefits of this project?
Funding this request will continue accelerated cleanup and outreach activities at the Everett Smelter Plume site. Soil sampling and remediation planning work will continue as outlined in Ecology's long-term cleanup plans. After cleanup work is completed, exposure risks will be reduced, and public health and the environment will be better protected from toxic chemicals.

This request will also provide economic benefits to the state by creating up to 19 jobs during the next four years based on Office of Financial Management estimates.

What are the effects of non-funding?
If this request is not approved, cleanup at the Everett Smelter Plume site would stop when all reappropriated funds are spent. This would mean approximately 100 residential properties and some industrial areas adjacent to the Snohomish River would not be remediated. Continued contamination from arsenic and lead exposure would negatively impact human health, wildlife, and the environment.

It is critical that projects, especially residential yard cleanups, move rapidly from architecture and engineering to construction through public works contracting. Delays can easily result in costly redesign because conditions can change through inclement weather, property ownership transfers, or intentional alterations to the landscape. Long-term exposure to contamination increases risks of negative impacts to the resident population, especially to children.

Why is this the best option or alternative?
Ecology now expects the Everett portion of the ASARCO bankruptcy settlement deposited in the CSA, which has already been fully appropriated, to be exhausted by the end of the 2023-25 biennium. Ecology requests funding from the MTCA Capital Account to continue accelerated cleanup activities and prevent funding gaps at the Everett site. This request is consistent with the purposes of the MTCA Capital Account.

How will clients be affected and services change if this project is funded?
The free technical assistance program will continue to promote soil cleanup during project development and help other agencies and local governments institutionalize soil sampling and cleanup requirements as this cleanup progresses. Funds will also support Dirt Alert outreach programs to raise awareness and promote behaviors that reduce soil contact, especially for families with children.

Project Number: 40000641
Project Title: 2025-27 ASARCO Everett Smelter Plume Cleanup

Description

Focus on Equity:
Target Populations and Communities
Accelerating Everett Smelter Plume site remediation will address legacies of toxic pollution that have disproportionately impacted low-income and linguistically isolated populations in the affected cleanup area. According to data drawn from the Environmental Protection Agency's (EPA) EJ Screen, the affected vulnerable populations in the area surrounding the site are in the 81st percentile for income status, the 85th percentile for linguistic isolation, and the 90th percentile for less than high school education in Washington State.

The cleanup site includes two large affordable housing communities. The location of this site and risk of recontamination pose a significant threat to the health and safety of the local community as indicated by the Department of Health's Environmental Health Disparities Index, with areas surrounding the site receiving an aggregated average rank of eight out of 10. Historical industrial activity at the site continues to impact the current community, which has been overburdened due to lack of sufficient funding to effectively clean up the site within an appropriate timeline.

Community Outreach and Engagement
This request will fund outreach staff to prioritize engagement with affected communities. This includes designing and implementing community outreach in ways that address community concerns, are culturally effective, and linguistically appropriate. Requested staffing resources will continue to publish information, hold community-learning opportunities, and provide multilingual presentation and translation services as needed.

Disproportional Impact Considerations
People who live in the cleanup area are most likely to encounter contaminated soil while working or playing in their yards. Ecology began sampling and cleanup in areas closest to the former smelter site and moved outward to properties further away. Due to the higher risk to children, day cares were also prioritized.

HEAL Act Agencies Supplemental Questions
See attached.

What is the agency's proposed funding strategy for the project?
Using MTCA Capital Account funds for this request is consistent with the purposes of MTCA, Chapter 70A.305 RCW, and the MTCA Capital Account, RCW 70A.305D.190. This statute establishes that funds in the account must be used for the improvement, rehabilitation, remediation, and cleanup of toxic sites. To do this work, a tax is assessed on hazardous materials, including petroleum products, pesticides, and some chemicals.

In even-numbered years, Ecology is required to provide the Legislature with a comprehensive report, the Model Toxics Control Act Capital Account Ten-Year Financing Report. Ecology produces this report in coordination with local governments that have cleanup responsibilities. The report identifies the projected financial needs to clean up contaminated sites that are eligible for funding from the MTCA Capital Account and describes how we plan to spend funds to clean up sites in the upcoming biennium and the next ten years. The "Model Toxics Control Act Capital Account: Ten-Year Financing Report 2022" is available here: https://apps.ecology.wa.gov/publications/SummaryPages/2209080.html.

Its companion report, the Model Toxics Control Accounts Biennial Report of Expenditures, describes how cleanup funds were spent over the previous biennium. Ecology produces this report in odd-numbered years. Find the 21-23 biennial report online at https://apps.ecology.wa.gov/publications/SummaryPages/2309060.html.

Project Number: 40000641
Project Title: 2025-27 ASARCO Everett Smelter Plume Cleanup

Description

Are FTEs required to support this project?
This request requires 4.03 FTEs to continue supporting the ASARCO remediation activities in Everett as part of Ecology's ten-year cleanup plan. This FTE level is consistent with the 2023-25 biennium. The cleanup plans for the Everett Smelter Plume site, particularly residential yard cleanup, is labor intensive. It requires outreach to individual property owners and the community at-large so Ecology can secure property access, plan and complete sampling, stage cleanup property groups, and continue education and outreach campaigns once remediation starts.

Please note, these FTEs support both this new appropriation and other related reappropriation projects under this capital program.

How does the project support the agency and statewide results?
This request is essential to achieving two of the Governor's Results Washington goals:
- Goal 3: Sustainable Energy and a Clean Environment
- Goal 4: Health and Safe Communities

The request is also essential to achieving two of Ecology's goals:
- Goal 1: Support and engage our communities, customers, and employees
- Goal 3: Prevent and reduce waste, toxic threats, and pollution

The work includes cleaning up contaminated sites to protect human health and the environment. Specifically, the bulk of this request supports residential cleanups that reduce the higher exposure to children in the area.

This request also funds outreach staff to prioritize engagement with affected communities. This includes designing and implementing community outreach in ways that address community concerns, are culturally effective, and linguistically appropriate.

This request is essential to supporting Governor Inslee's Executive Order 18-22, Southern Resident Killer Whale Recovery and Task Force because it will reduce legacy toxic contaminants. This contamination is one of the three primary factors threatening the Southern Resident population.

Puget Sound recovery
This request supports Orca Task Force Recommendation 31. Reduce stormwater threats and accelerate clean-up of toxics harmful to orcas.

This request also supports the 2022-2026 Puget Sound Action Agenda implementation through Ongoing Program OGP_ECY21Toxic Cleanup Program - Tacoma Smelter Plume, and through the following Vital Signs, Strategies, Desired Outcomes, and Actions:

Vital Signs
- Marine Water
- Outdoor Activity

Strategies
1. Smart Growth - Advance smart development and protect intact habitats and processes by channeling population growth

Project Number: 40000641
Project Title: 2025-27 ASARCO Everett Smelter Plume Cleanup

Description

into attractive, transit-oriented urban centers with easy access to natural spaces.

10. Stormwater Runoff and Legacy Contamination - Manage stormwater runoff and legacy contamination using a comprehensive approach at the site and landscape scales that improves water quality and enhances green space.

26. Human Health - Protect human health, considering disproportionate impacts on sensitive populations, through programs that educate communities and limit harmful exposures from air and water contaminants.

Desired Outcomes and Actions
2.1.1. Toxic hotspots where stormwater runoff or wastewater contain significant concentrations of numerous toxic chemicals reduced through improved source control and/or treatment.

2.1.4 Toxics in infrastructure and building materials removed through source control and/or management/remediation.

Action 33. Incentivize redevelopment in areas associated with high loads of toxic chemicals.

Action 41. Find and fix toxic hotspots.

How will the other state programs or units of government be affected if this project is funded?
Ecology continues to engage the City of Everett leadership and staff, neighborhood groups, and legislative delegations regarding the Everett Smelter Plume site cleanup-related activities. All parties support continuing cleanup activities on an accelerated timetable.

Proviso
None

Location
City: Statewide **County:** Statewide **Legislative District:** 098

Project Type
Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A
Application process used
N/A

Growth Management impacts
N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	New Approps
23N-1	MTC Capital Account-State	22,178,000				7,239,000
	Total	**22,178,000**	**0**	**0**	**0**	**7,239,000**

461 - Department of Ecology
Capital Project Request

2025-27 Biennium

*

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/9/2024 11:43AM

Project Number: 40000641
Project Title: 2025-27 ASARCO Everett Smelter Plume Cleanup

Funding

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State	14,239,000	400,000	150,000	150,000
	Total	**14,239,000**	**400,000**	**150,000**	**150,000**

Operating Impacts

No Operating Impact

2025-27 Biennial Budget HEAL Act Template

Background

HEAL Act requirements

The Healthy Environment for All Act (HEAL Act), Chapter 314, Laws of 2021 (RCW 70A.02) requires that "covered and opt in agencies" must implement the requirements of the HEAL Act. This includes the:

- Department of Ecology
- Department of Agriculture
- Department of Commerce
- Department of Health
- Department of Natural Resources
- Department of Transportation
- Puget Sound Partnership
- Office of the Attorney General

HEAL Act agencies that are considering a significant agency action initiated after July 1, 2023, are required to conduct an environmental justice assessment. RCW 70A.02.010(12) specifies that significant agency actions include:

- The development and adoption of significant legislative rules as defined in RCW 34.05.328.
- The development and adoption of any new grant or loan program that the agency is explicitly authorized or required by statute to implement.
- A capital project, grant, or loan award costing at least $12,000,000.
- A transportation project, grant, or loan costing at least $15,000,000.
- The submission of agency request legislation to the Office of the Governor or OFM.

Under RCW 70A.02.080, beginning on or before July 1, 2023, covered and opt in agencies must, where practicable, take specific actions when making expenditure decisions or developing budget requests to OFM and the Legislature for programs that address or may cause environmental harms or provide environmental benefits. This includes:

- Focus applicable expenditures on creating environmental benefits that are experienced by overburdened communities and vulnerable populations, including reducing or eliminating environmental harms, creating community and population resilience, and improving the quality of life of overburdened communities and vulnerable populations.
- Create opportunities for overburdened communities and vulnerable populations to meaningfully participate in agency expenditure decisions.
- Clearly articulate environmental justice goals and performance metrics to communicate the basis for agency expenditures.
- Establish a goal of directing 40% of grants and expenditures that create environmental benefits to vulnerable populations overburdened communities.

To help OFM understand how HEAL Act agency budget requests meet HEAL Act requirements, covered agencies are required to complete additional questions related to the HEAL Act. These questions are shown below and are in addition to the equity related questions required of all agencies. Covered agencies are asked to complete the following questions and submit them through ABS.

HEAL Act questions

If you answer YES to any of these bullet points, please answer the six additional questions and submit them as an attachment through ABS.

- Is this decision package part of an agency request legislation that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding to support another significant agency action that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding for a program/project/activity that may **provide environmental benefits or reduce, mitigate, or eliminate environmental harms**, (that is not a significant agency action)? Note: This may include decision packages for programs not purposely directed to provide environmental benefits but may have an indirect or unintentional impact.

  ☒ Yes

  ☐ No

If you answer YES to any of the above bullet points, please complete these additional questions.

1. Please describe specific likely or probable environmental harms and/or benefits related to your decision package and the associated health impacts to overburdened communities and vulnerable populations.

   disproportionately impacted low-income and linguistically isolated populations in the affected clean-up area. People who live in the cleanup area are most likely to come into contact with contaminated soil while working or playing in their yards. We began sampling and cleanup in areas closest to the former smelter site and are moving outwards to properties further away. Our goal is to protect people who come into contact with contaminated soil.

   According to data surrounding the site drawn from EPA's EJ Screen, the majority of this project area is located within overburdened communities as identified by EJ Screen's Demographic Index (84th

percentile) and Supplemental Demographic Index (87th percentile). The affected vulnerable populations are above the 80th percentile for the criteria of low income, linguistically isolated, and having less than high school education in Washington state. The cleanup site includes two large affordable housing communities. The location of this site and risk of recontamination pose a significant threat to the health and safety of the local community as indicated by the Department of Health's Environmental Health Disparities Index, with areas surrounding the site receiving an aggregated average rank of eight (8). Historical industrial activity at the site continues to impact the current community, which has been overburdened due to lack of sufficient funding to effectively cleanup the site within an appropriate timeline.

This project prioritizes engagement with affected communities. This includes designing and implementing community outreach in ways that address community concerns, are culturally effective, and linguistically appropriate. The project will continue to publish information, hold community learning opportunities, and provide Spanish language access as well as other languages as identified.

2. Please describe the estimated percentage and amount of the requested funds that will go towards creating environmental benefits in overburdened communities and vulnerable populations as defined in OFM's the OBC map or as determined by the agency. If applicable, please include your methodology for making this estimate, including project/award lists if available.

   [Enter Text Here]

3. Please describe any potential significant impacts to Indian Tribes' rights and interest in their tribal lands, as well as traditional practices.

   No impacts to Indian tribes rights and interest in their tribal lands.

4. Describe how your agency engaged with Tribes in developing this proposal, including offers for tribal consultation including timelines, methods for feedback, and mechanisms for Tribes to express concern, opposition, or support., and any direction provided by Tribes through this engagement.

   Ecology conducted a cultural resource review with preliminary findings associated with the Everett Smelter project. This was followed by the Agency completing a cultural resource consultation with the eight neighboring tribes and the Department of Archaeology and Historic Preservation (DAHP). The consultation resulted in the development of an inadvertent discovery plan (IDP).

   Ecology engaged with the eight neighboring Tribes to share project information and planning. The eight tribes included Stillaguamish Tribe of Indians, Muckleshoot Indian Tribe, Sauk-Suiattle Tribe,

Suquamish Tribe, Snoqualmie Indian Tribe, Swinomish Indian Tribal Community, Samish Tribe, and Tulalip Tribe. The agency conducted a 30-calendar day comment period during which we requested review and agreement on the preliminary findings of impacts to cultural resources. Ecology received responses from three tribes during the comment period. In response, the Tribes are notified of the start date and location prior to the start of each new cleanup group. Additionally, contractors are given a training on identifying possible artifacts and following the IDP prior to starting construction.

After the comment period, Ecology issued a final determination of *Moderate risk* for pre-contact artifacts or other archaeological resources within the residential areas and issued an IDP.

5. If the decision package is part of agency request legislation or supports another significant agency action that is required to complete an environmental justice assessment under RCW 70A.02.010(12), please submit the assessment as an attachment in ABS.

   No, none is required.

6. If the decision package is part of agency request legislation or constitutes a significant agency action that is required to complete an environmental justice assessment, please describe how your agency used the environmental justice assessment process to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits. If your agency determined that you were unable to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits, please provide a justification for not doing so.

   N/A

OFM

461 - Department of Ecology
Capital Project Request

2025-27 Biennium

*

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/18/2024 7:13AM

Project Number: **40000652**
Project Title: **2025-27 Reducing Toxic Wood Stove Emissions**

Description

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 21

Project Summary

Smoke from wood-burning stoves causes asthma, lung disease, heart disease, stroke, and premature death. The Wood Smoke Reduction Grant Program reduces emissions from old, high-polluting wood stoves in communities facing significant public health threats from wood smoke. Funds will be used to replace uncertified wood-burning home heating devices with cleaner home heating options and deploy cleaner burning emission control solutions. Priority will be given to communities at high risk of violating national ambient air quality standards to prevent violations and avoid significant economic, environmental, and public health consequences. Related to implementing Washington's Climate Resilience Strategy and Puget Sound Action Agenda. (Model Toxics Control Capital Account)

Project Description

What is the proposed project?

Ecology is requesting $4,164,000 for the agency's ongoing, competitive Wood Smoke Reduction Grant Program. Wood stoves last 20 or more years, and the change to cleaner home heating is slow. Uncertified, pre-1990, highly inefficient and polluting wood stoves are still being used in Washington; many of which are in communities at high risk of violating federal air pollution standards. Cleaner replacement home-heating devices, such as certified wood stoves, natural gas furnaces, or heat pumps, are long-term capital investments for households. This grant program will help speed the transition to cleaner, more efficient technology, prioritizing households that need financial assistance the most.

This request will provide grants to local communities that violate or are close to violating federal fine particle pollution standards. Communities at highest risk include Clarkston, Colville, Darrington, Ellensburg, Marysville, Omak, Pullman, Seattle, Spokane, Sunnyside, Tacoma, Toppenish, Twisp, Vancouver, Winthrop, and Yakima. An additional four communities measure pollution at levels creating public health concerns, including Columbia Valley, Leavenworth, Olympia/Tumwater/Lacey, and Wenatchee.

Funds will be used for:

- Wood stove replacement (offering a financial incentive to replace older, high–polluting wood-burning devices with cleaner heating alternatives).

- Capital investments to improve home heating efficiency in homes where wood is used for heat.

To date, Ecology and its local air agency partners have changed out nearly 7,300 older, uncertified stoves in high wood stove use communities that are violating, or at risk of violating, federal air pollution standards. Nearly 4,100 more uncertified wood stoves have been collected, rendered inoperative, and recycled through successful decommission incentive programs that remove the dirtiest stoves from the secondary market (preventing sale of used devices on e-bay, Craig's List, and classified advertising). These combined strategies have resulted in lower air pollution measurements and significantly improved air quality, especially in two of Washington's worst polluted communities, Tacoma/Pierce County and Yakima, and helped bring them into compliance with federal air quality standards.

This request is related to actions currently proposed in the draft Washington's Climate Resilience Strategy, which is being developed under Chapter 70A.05 RCW and will be finalized by September 30, 2024.

What opportunity or problem is driving this request?

Exposure to fine particles damages public health and is especially harmful to people with lung and heart diseases. Fine particles can irritate the lungs and carry toxic and carcinogenic chemicals (the by-products of combustion). These pollutants

Description

cause or exacerbate asthma, heart disease, lung disease, and stroke and lead to cancer and premature death. Increased disease and associated health costs hurt the financial stability of families, businesses, and governments. Ecology's 2009 study on the health effects of fine particle pollution in Washington estimated 1,100 people die each year from exposure to particulate matter, and health care and societal costs of exposure-related disease approach $200 million (2009 dollars) each year (Health Effects and Economic Impacts of Fine Particle Pollution in Washington, 2009 - https://apps.ecology.wa.gov/publications/SummaryPages/0902021.html).

Twenty small, medium, and large communities across Washington State measure pollution levels close to violating the federal fine particle air pollution standards. Pollution from heating devices that use wood is the principal cause of fine-particle pollution problems in these communities.

When communities violate federal air pollution standards, there are significant economic penalties. Violations require commercial, industrial, community, and private investment in strategies to reduce pollution levels. They also raise the air quality permit requirements for new companies wanting to move into a community or for existing companies that want to invest in facility improvements. These requirements may dissuade new business in these communities and discourage existing companies from expanding, upgrading, or remaining. People may choose not to move to or live in a community with heavily polluted air, which can depress property values.

It is critical for public health and the economy to prevent areas from violating federal standards and, where that is not possible, to clean the air as quickly as practical. The state, local clean air agencies, and local communities have five years under federal law to bring violating areas back into compliance with federal standards. It is better to prevent violations than to be found in violation. Reducing fine particle emissions from tens of thousands of wood-burning devices is a crucial component in returning areas to clean air status, preventing areas from exceeding federal standards, and removing barriers to economic growth. The strategies supported by this request will lead to reduced outdoor pollution levels, requiring fewer or less stringent regulatory actions.

Wood smoke is a mixture of solids, gases, and liquids. Most wood smoke particles are 2.5 microns (μm) or less in size—smaller in diameter than a human hair. Scientists call the particulate matter 2.5 (PM2.5), also known as "fine particles." PM2.5 particles are so small that they get past the respiratory tract's defenses and reach the deepest areas of the lungs. Residential wood burning greatly increases the number of fine particles in the air. Studies have shown that PM2.5 particles, even at low levels, are harmful to human health. Research shows that most of Washington's wintertime fine particle pollution comes from wood smoke. The woodsmoke reduction program reduces PM2.5 in the form of smoke and soot from woodstoves.

In 2024, the Environmental Protection Agency (EPA) announced a revision to the National Ambient Air Quality Standards for PM2.5, from 12 μg/m3 to a more protective 9 μg/m3. The Wood Smoke Reduction Grant Program is a critical tool used to prevent violation of the federal air pollution standards and protect public health and the environment in communities across the state.

What are the specific benefits of this project?
Fine-particle pollution will be reduced in communities that violate or are at risk of violating federal standards. Washington residents will breathe less of the toxic levels of air pollution, leading to fewer adverse health effects caused by the pollutant and lower health care costs associated with lung and cardiovascular diseases. Ecology's study estimated that fine-particle pollution in Washington is responsible for over 1,100 deaths and nearly $200 million in public health and societal costs each year.

Quickly reducing the level of emissions from high-polluting wood stoves will also prevent or reduce the long-term economic impacts to the communities in violation of federal air quality standards. Wood stove change-out programs provide jobs in

Description

several ways. These programs increase sales and installation of replacement stoves or other heating options in existing homes, resulting in creating or sustaining retail and construction jobs. In addition, three of the nation's top five wood stove manufacturers are in Washington. Many of the change-outs will result in sales of new appliances from these manufacturers, increasing and sustaining jobs that sector of the economy. Also, replaced stoves have a value on the market as scrap metal. Recycling old stoves as part of this replacement program can create or sustain jobs in the metal recycling industry.

What are the effects of non-funding?
Failure to address wood stove emissions would mean continued high exposure levels resulting in preventable diseases and increased health care costs.

If the federal air quality standards are violated, emission reductions would be imposed on all principal sources of fine particles in violating areas including industrial and commercial facilities and transportation, within five years of being designated out of compliance. Strategies to reduce emissions can include stronger regulations, tougher permitting conditions, incentive programs with costs for industry and local and state government, or a combination of these strategies. Strict regulatory strategies can have a negative effect on local economies, aggravating existing business and employment conditions and impacting community livability.

If we do not adopt successful strategies, we risk federal intervention and decision-making shifting to the federal government, through imposition of a Federal Implementation Plan, and/or increased costs or penalties for new or expanding businesses, and the possibility of sanctions. Sanctions could include reduced federal air quality grants and withheld federal transportation grant funds.

Why is this the best option or alternative?
During the last seven biennia, funds from the state's wood stove change-out grant program have replaced more than 7,000 uncertified wood stoves with cleaner burning alternatives, reducing approximately 225 cumulative tons per year of fine-particle pollution. Combined with better compliance programs, wood stove change-outs have helped substantially reduce high pollution measurements in Tacoma/Pierce County and in Yakima, helping those communities remain in compliance with federal air quality standards.

Grant funds are targeted toward old, high-polluting, high-use stoves owned by low-income residents. Ecology estimates the state's high-risk air polluted areas still contain tens of thousands of uncertified wood-burning devices. Washington needs a combination of regulatory policies and incentives to reduce use of these stoves to achieve and maintain compliance with the federal air quality standards in high-risk areas. This established grant program provides economic support for local small businesses across the state, including rural communities and low-income residents.

How will clients be affected and services change if this project is funded?
Old wood stoves remain in use for 20 or more years. Without change-out programs or other incentives, they will continue as a primary source of winter smoke pollution for many years. Funding this request will accelerate removal of these high-polluting stoves. Some wood stove owners will receive partial or full reimbursement for replacing old wood-burning devices with cleaner alternatives. Local communities facing high levels of wood smoke pollution generally support full-cost replacements for low-income residents that rely on wood heat, and this approach supports environmental justice goals.

Current programs prioritize replacing older, high-polluting, uncertified stoves in low-income, high wood-use homes. Replacements generate cleaner, more efficient heat; can save residents money on heating bills; and provide a more comfortable living space. Ecology will assess other strategies that reduce the need for wood heat, such as weatherization,

Description

improving home heating efficiency, or providing access to infrastructure like natural gas or electricity that allows use of cleaner burning technologies or alternatives.

Focus on Equity:
Target Populations and Communities
This competitive grant program is designed to provide funding for populations and geographic areas most impacted by air pollution. Ecology worked to incorporate environmental justice (EJ) consideration into the 2023-25 Wood Smoke Reduction Grant Program in two ways:

First, Ecology used the Department of Health's 'Washington Tracking Network' tool to develop a scoring criterion for the competitive grant program that incorporated EJ concerns for geographic/demographic communities identified within that data to be overburdened by PM2.5 pollution. EJ scoring criteria includes:

- High pollutant levels identified in targeted geographic areas.
- Reducing exposure to environmental hazards.
- Health disparities.
- Areas identified as being a population living in poverty.

Second, Ecology established grant scoring criterion that encouraged applicants to incorporate additional levels of financial support/incentive to homeowners who meet criteria for income qualification. Income eligibility criteria includes:

- Designating the projects to include elements for increased financial support to income-qualifying applicants.
- Using the Department of Health Disparities map to identify communities with a census tract ranking of eight or higher.
- The unemployment rate.

To advance equitable access to clean air, these two items are included as ongoing in the wood smoke funding opportunity guidelines and will also be used for funding decisions made in the 2025-27 biennium.

Community Outreach and Engagement
This grant program operates as a "pass-through" grant to local clean air agencies (LCAAs) and Ecology region offices. This design allows for LCAAs to customize their project proposals to best meet the needs of the communities they serve. LCAAs establish relationships with local small businesses, non-profit entities, community-based organizations, and people in the communities to prioritize people and geographic areas overburdened by woodsmoke, experiencing income challenges, and with limited English proficiency.

Disproportional Impact Considerations
Wood stove replacement programs have been identified nationwide as a critical strategy to reduce the impacts of smoke from home heating with wood. Wood heat is believed to be a favored heat source for economically challenged communities, contributing to already existing environmental health disparities. This grant program prioritizes geographic areas disproportionately impacted by air pollution. The program also provides additional monetary support to economically challenged homeowners in these communities. This grant program has replaced over 7,000 older, more polluting wood-burning devices with newer, cleaner alternatives, reducing smoke (PM2.5 pollution) by an estimated 225 tons annually.

HEAL Act Agencies Supplemental Questions
See attached.

Project Number: 40000652
Project Title: 2025-27 Reducing Toxic Wood Stove Emissions

Description

What is the agency's proposed funding strategy for the project?
Ecology proposes Model Toxics Control Capital Account funding for this request. Ecology will grant funds directly to LCAAs. Where no clean air agencies exist, we will administer the program through Ecology's regional offices. The State Toxics Control Account and the State Building Construction Account have both funded these grants in past biennia. In 2019, the Legislature revised the Model Toxic Control Act accounts, established the Model Toxics Control Capital Account (RCW 70A.305.190), and authorized the account for Wood Stove Reduction Grants and toxic air pollutant reduction programs.

Funding for this request includes $20,000 to maintain and update the grant or loan applications in the agency systems.

Are FTEs required to support this project?
This request requires a total of 0.48 FTE. This position implements the grant program by evaluating client needs and solutions, soliciting applications, and providing technical assistance. This is a slight increase over the staffing level for the 2023-25 biennium to provide more oversight and timely agreements and ensure new EJ and overburdened communities requirements are accounted for.

Please note, this FTE supports both this new appropriation and other related reappropriation projects under this capital program.

How does the project support the agency and statewide results?
This request is essential to achieving the following Ecology goals:

Goal 1: Support and Engage our Communities, Customers, and Employees because the funds will be used to replace uncertified wood-burning home heating devices owned by low-income residents, which will reduce hazardous air pollution inside the home and outdoors and save them money on heating bills.

Goal 2: Reduce and Prepare for Climate Impacts and Goal 3: Prevent and Reduce Toxic Threats and Pollution because replacing uncertified wood-burning home heating devices will reduce emissions and deposits of toxic fine particle pollution and black carbon that contribute to a warming climate and are hazardous to human health.

This request is essential to achieving the following Results Washington Goals:

Goal 2: Prosperous Economy because it will prevent economic sanctions from being imposed on areas that violate federal air quality standards and support and create jobs related to the wood stove change-out programs.

Goal 3: Sustainable Energy and a Clean Environment because increasing the number of wood stoves replaced with cleaner burning technologies is a leading indicator for achieving healthy air.

Goal 4: Health and Safe Communities because it will reduce the volume of fine particle pollution, especially in high-risk communities throughout the state.

Puget Sound recovery
This request supports the 2022-2026 Puget Sound Action Agenda implementation through Ongoing Program OGP_ECY33 Air - Reducing Toxic Woodstove Emissions, the Air Quality Vital Sign, and through the following Strategies, Desired Outcomes, and Actions:

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/18/2024 7:13AM

Project Number: 40000652
Project Title: 2025-27 Reducing Toxic Wood Stove Emissions

Description

Strategies
- 8. Prevent Pollution - Prevent pollution by promoting the development and use of safer alternatives to toxic chemicals and ensuring proper disposal.

- 26. Human Health - Protect human health, considering disproportionate impacts on sensitive populations, through programs that educate communities and limit harmful exposures from air and water contaminants.

Desired Outcomes and Actions
- 5.6.1. Levels and patterns of air pollution do not threaten Puget Sound communities or sensitive populations with adverse health outcomes.

- Action 112. Direct beneficial environmental activities, investments, and community research towards better understanding and improving areas with environmental health disparities and where the environmental health improvements will be greatest.

- Action 199. Limit people's exposures to harmful air pollution.

How will the other state programs or units of government be affected if this project is funded?
This funding will help counties and local communities meet their obligations to reduce fine-particle emissions and meet federal air quality standards required by federal and state law. This will help ensure healthy air quality, prevent unnecessary disease and health care costs, and help eliminate potential economic sanctions and constraints imposed by EPA when communities fail to meet federal air quality standards. Federal law requires that all states attain the National Ambient Air Quality Standards (NAAQS). Areas that do not attain the NAAQS must develop plans for how they will reach attainment, and failing can trigger penalties under federal law, including withholding of federal transportation funds.

What is the impact on the state operating budget?
There is no complementary operating request for the 2025-27 biennium. However, a request for ongoing funding related to preventing federal non-attainment was submitted and funded in the 2021-23 biennium, and that ongoing operating work does complement this capital request. Work funded by this request aligns with the goal to implement federal government air quality standards that are required statewide. Geographic areas that meet federal standards are called "attainment areas," and those that do not meet federal standards are referred to as "non-attainment areas." Currently, all of Washington state is in attainment. However, in 2024, EPA lowered the air quality standard for PM2.5, putting several areas of Washington State at risk of nonattainment. Woodstove replacement programs such as this have been a proven strategy for ensuring attainment of federal air quality standards and returning non-attainment areas back to attainment.

Ecology is also submitting a separate, but related, capital budget request, "Reducing Diesel Greenhouse Gases and Toxic Emissions," that supports reducing toxic diesel exhaust statewide. This request, if funded, will continue ongoing efforts to reduce greenhouse gas emissions, prioritizing projects in overburdened communities, where up to 70% of toxic air pollutants in Washington are attributable to diesel exhaust.

Location
City: Statewide **County:** Statewide **Legislative District:** 098

Project Type
Grants

461 - Department of Ecology
Capital Project Request

2025-27 Biennium

*

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/18/2024 7:13AM

Project Number: 40000652
Project Title: 2025-27 Reducing Toxic Wood Stove Emissions

Description

Grant Recipient Organization: Local Air Agencies and Ecology Regional Offices

RCW that establishes grant: N/A

Application process used

Ecology establishes competitive grant criteria for each grant cycle, such as location in an area designated non-attainment for federal ambient air quality standards or at risk of being declared non-attainment; ability to leverage other funding sources; proposed actions resulting in the greatest PM2.5 emission reductions; creative approaches to reach high volume wood users; replacing uncertified devices that are a home's primary heat source; educating consumers; readiness to proceed; and demonstrated capacity to spend the requested funding. Ecology also utilizes the Department of Health's Washington Tracking Network mapping tool to help prioritize those populations that have historically been disproportionately impacted by air pollution (Environmental Justice). All applications are received, evaluated, and ranked against the adopted criteria, and decisions on funding are made based on the amount available and the worthiness of projects. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
23N-1	MTC Capital Account-State	20,820,000				4,164,000
	Total	**20,820,000**	**0**	**0**	**0**	**4,164,000**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
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Operating Impacts

No Operating Impact

2025-27 Biennial Budget HEAL Act Template

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HEAL Act requirements

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- Create opportunities for overburdened communities and vulnerable populations to meaningfully participate in agency expenditure decisions.
- Clearly articulate environmental justice goals and performance metrics to communicate the basis for agency expenditures.
- Establish a goal of directing 40% of grants and expenditures that create environmental benefits to vulnerable populations overburdened communities.

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HEAL Act questions

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  ☐ Yes

  ☒ No

- Is this decision package requesting funding to support another significant agency action that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding for a program/project/activity that may **provide environmental benefits or reduce, mitigate, or eliminate environmental harms**, (that is not a significant agency action)? Note: This may include decision packages for programs not purposely directed to provide environmental benefits but may have an indirect or unintentional impact.

  ☒ Yes

  ☐ No

If you answer YES to any of the above bullet points, please complete these additional questions.

1. Please describe specific likely or probable environmental harms and/or benefits related to your decision package and the associated health impacts to overburdened communities and vulnerable populations.

   Woodstove replacement programs have been identified nationwide as a critical strategy to reduce the impacts of smoke from home heating with wood. Wood heat is believed to be a favored heat source for economically challenged communities, contributing to a condition of disproportional impacts. This grant program prioritizes geographic areas disproportionately impacted by air pollution. The program also provides additional monetary support to economically challenged homeowners in these communities. This grant program, has replaced over 7,000 older, more polluting wood-burning devices with newer, cleaner alternatives, reducing smoke (PM2.5 pollution) by an estimated 225 tons annually.

2. Please describe the estimated percentage and amount of the requested funds that will go towards creating environmental benefits in overburdened communities and vulnerable populations as defined in OFM's the OBC map or as determined by the agency. If applicable, please include your methodology for making this estimate, including project/award lists if available.

   Because this program is designed to address the geographies most at risk of PM2.5 pollution and provide flexibility for grantees to implement programs that best meet the needs of their communities, it is challenging to estimate the percentage of funds that will go towards environmental benefits in overburdened and vulnerable populations. That said, each of the nine eligible applicants has jurisdiction boundaries that include populations identified on OFM's OBC map. The competitive scoring process for the grant emphasizes geographic areas with known PM2.5 pollution concerns. Additionally, the scoring process is designed to prioritize grant applications that incorporate environmental justice considerations into their programs. Six of the nine applicants in the 2325 grant period prioritize and provide additional financial support to income-qualified homeowners participating in the program.

3. Please describe any potential significant impacts to Indian Tribes' rights and interest in their tribal lands, as well as traditional practices.
   As a "pass-through" grant to local clean air agencies that operate within their legal jurisdictions, this grant activity should not have significant impacts to tribal rights nor interests in their lands or traditional practices. The grant operates as a voluntary program for homeowners interested in replacing older wood-burning home heat devices. The benefits of the program, in terms of cleaner air, extend to all people within the airshed. This would include tribal members.

4. Describe how your agency engaged with Tribes in developing this proposal, including offers for tribal consultation including timelines, methods for feedback, and mechanisms for Tribes to express concern, opposition, or support., and any direction provided by Tribes through this engagement.

   Tribal consultation was not offered related to the development of this request because this grant operates as a "pass-thru" to local clean air agencies (LCAAs) and Ecology regional offices. Grantees are responsible for conducting Tribal and community engagement to develop a program that best meets the needs of their unique communities.

5. If the decision package is part of agency request legislation or supports another significant agency action that is required to complete an environmental justice assessment under RCW 70A.02.010(12), please submit the assessment as an attachment in ABS.

   No. This request does not involve a significant agency action.

6. If the decision package is part of agency request legislation or constitutes a significant agency action that is required to complete an environmental justice assessment, please describe how your agency used the environmental justice assessment process to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits. If your agency determined that you were unable to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits, please provide a justification for not doing so.

   N/A

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OFM

461 - Department of Ecology
Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/19/2024 11:21AM

Project Number: **40000653**
Project Title: **2025-27 Clean Up Toxic Sites-Puget Sound Initiative**

Description

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 25

Project Summary

A significant source of pollution to Puget Sound is contaminated sites around the basin and its shorelines. Ecology has been identifying and cleaning up contaminated sites in the Puget Sound Basin for many years. This emphasis on bay-wide cleanup in the Sound and surrounding areas has highlighted a valuable link between toxic site cleanup and habitat restoration. This request will support projects that integrate shoreline habitat restoration opportunities with cleanup projects to protect public and environmental health, create jobs, and promote economic development. Ultimately, these projects support a healthier food chain to provide food (forage fish) for important species like salmon and other large marine mammals, including Southern Resident orcas. This request is directly related to implementing the Governor's Salmon Strategy and to Puget Sound Action Agenda. (Model Toxics Control Capital Account)

Project Description

What is the proposed project?

Ecology is requesting $3.15 million for cleanup projects located in the Puget Sound Basin and throughout Western Washington.

As of July 2024, Ecology has identified about 260 contaminated sites awaiting cleanup, and roughly 760 sites in the process of being cleaned up near the Puget Sound Basin and surrounding shoreline. These numbers change frequently due to newly identified contaminated sites moving through cleanup and other sites reaching cleanup completion.

Cleanup work will be done through a combination of direct actions by the state, contributions from potentially liable parties, and interagency agreements with affected local governments, resource agencies, and Tribes. Incentives will be used to progress cleanup and encourage cooperative cleanups. The funding will be applied to sites that are abandoned, have non–compliant owners, or where funds are needed to advance emergent cleanup needs. This includes sites adjacent to critical and sensitive habitats, upland sites contributing to ongoing aquatic contamination, and a limited number of sites throughout Western Washington that are outside of the Puget Sound Basin and require an unanticipated cleanup investment or emergency response.

Attached is a prioritized list of projects this request will fund. These cleanups will continue to advance work in seven priority bays that implement the objectives of the Puget Sound Action Agenda, which was established after the Legislature created the Puget Sound Partnership to reverse Puget Sound's decline and restore it to health.

Ecology has reviewed the projects, and they are ready to proceed according to the Model Toxics Control Act (MTCA) regulatory process, which informs project prioritization. Ecology's Toxics Cleanup Program guides all cleanup projects through MTCA's regulatory process and requirements, including those seeking state capital budget funding. MTCA requires all cleanup projects proceed through the following phases:

1. Assessment: All projects are prioritized based on human health and environmental risks. Cleanup projects address risks from exposure to contaminated soil, groundwater, surface water, sediment, or air. These exposures pose human health risks from contacting contaminated soils, drinking polluted water, consuming fish and shellfish, inhaling toxic vapors, or a combination of the above.

2. Remedial Investigation: Remedial investigations define the nature, extent, and magnitude of contamination on all projects.

3. Feasibility Study: Feasibility studies are conducted on all projects and include alternative analysis, cost-benefit analysis, long-term or life-cycle cost analysis, and cleanup technology preferences.

Description

4. Cleanup Action Plan: Based on the remedial investigation and feasibility study, a cleanup action plan is developed that describes the selected cleanup action, the standards it must meet, monitoring requirements, and schedule – including any time-critical elements.

5. Comment: The public is encouraged to review and comment on the projects' investigations, feasibility studies, and cleanup plans during public comment periods.

6. Cleanup: Design, construction, operations, and monitoring the cleanup. A cleanup is complete when Ecology determines cleanup standards have been met. This phase includes projects that are ready to proceed, are in construction, have permits or are in the permitting process, where design is complete or underway, or are under contract.

In addition to project evaluation according to the MTCA regulatory process, projects on the list are prioritized based on:

1. Continuing investments at sites with ongoing cleanup projects.

Cleanups can take many years following the contamination of a site with toxic chemicals. Three major factors determine the length of time for cleanup; the administrative process used (Ecology-conducted or supervised versus independent cleanup), the nature of contaminants (how difficult they are to remediate), and the type of contaminated media (soil, groundwater, sediments, etc.). Ecology established an ideal target for achieving site cleanup within five years, and we have been actively working toward this target by using model remedies and developing tools and policies to help achieve cleanup faster.

Financial certainty for cleanup project development is critical to ensure existing projects are completed as envisioned and new projects can be planned and designed to maximize environmental and public health improvements and economic development opportunities. In the project prioritization process, Ecology considers the next phase of funding needed to keep existing cleanup projects moving forward.

2. Acuity of need, readiness to proceed, cost-efficiency, purposes of increasing affordable housing, or need to ensure geographic distribution. Ecology has used these criteria over the past three biennia to guide project priority.

3. Ability to reduce the toxic threat to vulnerable populations and overburdened communities living in proximity to contaminated sites.

4. Where groups of projects met all of the same budget prioritization criteria, projects were further ranked considering Ecology's regional and program priorities.

5. Reviewing current information from our partners and Ecology's regional cleanup managers on the status of projects to further refine the prioritization. For example, considering the construction stage of projects, schedule changes, whether permits are in hand, if projects are ready to bid, and if projects leverage other funds.

What opportunity or problem is driving this request?
Cleaning up and protecting Puget Sound is critical to the social and economic well-being of Washingtonians. Decades of industrial, municipal, and naturally occurring pollution have taken their toll on the condition and ecology of Puget Sound. Without intervention now, the condition of Puget Sound will most certainly continue to deteriorate. Although the state has made progress addressing the most highly contaminated areas of the Sound, many impacted areas remain unchecked. This request will help restore environmental and economic vitality to the state by focusing comprehensive cleanup on remaining contaminated sites affecting Puget Sound.

Project Number: 40000653
Project Title: 2025-27 Clean Up Toxic Sites-Puget Sound Initiative

Description

What are the specific benefits of this project?
This request will benefit Washingtonians by achieving the much sought after economic and social benefits of a clean, restored Puget Sound. Specifically, benefits of this request include:

- Cleaned up contaminated sites.
- Reduced exposure of hazardous substances to the environment and public as work progresses on these sites.
- Planned economic redevelopment as abandoned sites move through the cleanup process.
- Continued cleanup and restoration of Puget Sound.
- Ultimately, these projects support a healthier food chain to provide food (forage fish) for important species like salmon and other large marine mammals, including orcas.

This request will also provide economic benefits to the state by creating up to 10 jobs during the next four years based on Office of Financial Management estimates.

What are the effects of non-funding?
State investment significantly contributes to cleanup progress in Washington, and it makes a direct, beneficial impact on human health and the environment. Without funding, these benefits would not be achieved. The economic, public, and environmental health impacts would largely be felt in areas in or immediately adjacent to Puget Sound. In addition, the cleanup progress in Washington—and Puget Sound specifically—would not advance at the accelerated rate expected by the Governor and Legislature.

Why is this the best option or alternative?
One of Ecology's strategic goals is to prevent and reduce waste, toxic threats, and pollution. The Clean Up Toxic Sites-Puget Sound program is an integral part of cleaning up the worst contaminated sites to protect and improve the lives of people and the environment. This is an ongoing program supported by and worked with stakeholders. Model Toxics Control Act (MTCA) funding has traditionally been used for this cleanup work. This request is consistent with the purposes of the MTCA Capital Account.

How will clients be affected and services change if this project is funded?
This request will continue ongoing efforts and result in local cleanups and land redevelopment. Cleaning up contaminated property is usually integrated with economic development, habitat restoration, and public recreation projects. Most cleanup projects are the first phase of a larger community or economic redevelopment project where the cleanup site is the focal point of the project. Ecology staff work with communities, interested parties, and property owners, who support this work.

Focus on Equity:
Target Populations and Communities
The projects that will be funded through this request are ongoing cleanups that have been in progress for many years and stand to impact at-risk communities. For example, petroleum contamination originating from the former Whidbey Marine and Auto Supply property site represents a significant risk to the aquifer that is Whidbey Island's primary drinking water source. The continued cleanup and monitoring of this important aquifer is necessary to protect the integrity of three drinking wells located downgradient from the source of the petroleum contamination.

Ecology also uses equity and environmental justice criteria to evaluate and inform site prioritization. For state-directed

Description

cleanups, Ecology considers several factors when prioritizing sites, including whether the site impacts a likely vulnerable population or overburdened community. Within the project list, Ecology considered the following factors for prioritization in relation to considerations of equity:

- The Environmental Health Disparities (EHD) Index from the Department of Health's EHD Map. This index considers 19 indicators that include environmental exposures and effects as well as sensitive populations and socioeconomic factors.

- Demographic Index from the U.S. Environmental Protection Agency's (EPA) Environmental Justice (EJ) Screen. This index is based on the average of two socioeconomic indicators; low-income and people of color.

- Supplemental Demographic Index from EPA's EJ Screen. This index is based on the average of five socioeconomic indicators; low-income, unemployment, limited English, less than high school education, and low life expectancy (which is a health dataset).

- Office of Financial Management's Overburdened Communities of Washington State dataset by 2010 Census Tracts.

Community Outreach and Engagement
All the state-directed cleanups funded by this request are subject to the public participation and Tribal engagement requirements in our state's cleanup rules. Under those rules, Ecology will:

- **Provide the public with meaningful opportunities to participate throughout the cleanup process** (WAC 173-340-600). When developing public participation plans for cleanups, Ecology will specifically consider the needs of likely vulnerable populations and overburdened communities and the threats posed to such populations (WAC 173-340-600(9)(a) and (b)).

- **Ensure effective communication and outreach** that addresses linguistic, cultural, literacy, technology, and accessibility barriers and welcomes meaningful participation when discretion permits to comply with Title VI nondiscrimination obligations and promote environmental justice best practices for meaningful community engagement.

- **Seek meaningful engagement with affected Indian Tribes throughout the cleanup process** (WAC 173-340-620). Ecology will develop a Tribal engagement plan to provide Indian Tribes with timely information, effective communication, continuous opportunities for collaboration and, when necessary, government-to-government consultation, as appropriate for each site (WAC 173-340-620(3)).

- **Conduct cultural resource consultations with Indian Tribes** according to Governor's Executive Order 21-02 and WAC 173-340-815 at each appropriate step in the cleanup process to enable Tribes to provide input on the overall design and scope of each project.

To comply with Title VI nondiscrimination obligations, and to promote environmental justice best practices for meaningful community engagement, Ecology will ensure effective communication and outreach that addresses linguistic, cultural, literacy, technology, and accessibility barriers and welcomes meaningful participation when discretion permits.

Disproportional Impact Considerations
This request will protect human health and environment, including vulnerable populations and overburdened communities, from contamination at cleanup sites throughout Western Washington. Under our state's cleanup rules, all state-directed cleanups funded by this request must consider:

- Public concerns, including the concerns of likely vulnerable populations and overburdened communities identified through the community engagement process.

Description

- Indian Tribes' rights and interests identified through the Tribal engagement process.

See WAC 173-340-360(3)(d) and(5)(c)(i)(C). During the cleanup selection process, Ecology must specifically consider vulnerable populations and overburdened communities, including when evaluating the protectiveness, long-term effectiveness, implementation risks, and restoration time frame of different cleanup alternatives (WAC 173-340-360(4)(c) and (5)(d)).

HEAL Act Agencies Supplemental Questions
See attached.

What is the agency's proposed funding strategy for the project?
Ecology requests funding from the MTCA Capital Account for this request. Using MTCA Capital Account funds for this request is consistent with the purposes of MTCA, Chapter 70A.305 RCW, and the MTCA Capital Account, RCW 70A.305.190, which establishes that funds in the account must be used for the improvement, rehabilitation, remediation, and cleanup of toxic sites. To do this work, a tax is assessed on hazardous materials, including petroleum products, pesticides, and some chemicals.

In even-numbered years, Ecology is required to provide the Legislature with a comprehensive report, the Model Toxics Control Act Capital Account Ten-Year Financing Report. Ecology produces this report in coordination with local governments that have cleanup responsibilities and entities developing affordable housing. The report identifies the projected financial needs to clean up contaminated sites that are eligible for funding from the MTCA Capital Account and describes how we plan to spend funds to clean up sites in the upcoming biennium and the next ten years. The "Model Toxics Control Act Capital Account: Ten-Year Financing Report 2022" is available here: https://apps.ecology.wa.gov/publications/SummaryPages/2209080.html.

Its companion report, the Model Toxics Control Accounts Biennial Report of Expenditures, describes how cleanup funds were spent over the previous biennium. Ecology produces this report in odd-numbered years. Find the 2021-23 biennial report online at https://apps.ecology.wa.gov/publications/SummaryPages/2309060.html

Are FTEs required to support this project?
No.

How does the project support the agency and statewide results?
This request is essential to achieving the Governor's Results Washington Goal 3: Sustainable Energy and a Clean Environment and Ecology's Goal 3: Prevent and reduce toxic threats and pollution because it will support the cleanup of contaminated sites to protect human health and the environment.
This request is also essential to achieving the Governor's Results Washington Goal 2: Prosperous Economy because it will create and support jobs and make it possible to redevelop previously contaminated land to support economic growth in communities.

This request also directly implements the following recommended priority and action in the 2021 Governor's salmon strategy update:
- Strategic Priority: 2. Invest in clean water infrastructure for salmon and people
- Action: 2a. Toxics reduction

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/19/2024 11:21AM

Project Number: 40000653
Project Title: 2025-27 Clean Up Toxic Sites-Puget Sound Initiative

Description

Puget Sound recovery
This request supports the 2022-2026 Puget Sound Action Agenda implementation through Ongoing Program OGP_ECY20 Toxic Cleanup Program - Cleaning up priority bays in Puget Sound, and the following Vital Signs, Strategies, Desired Outcomes, and Actions:

Vital Signs
- Marine Water
- Toxics in Aquatic Life

Strategies
- 10. Stormwater Runoff and Legacy Contamination - Manage stormwater runoff and legacy contamination using a comprehensive approach at the site and landscape scales that improves water quality and enhances green space.

Desired Outcomes and Actions
- 2.1.1. Toxic hotspots where stormwater runoff or wastewater contain significant concentrations of numerous toxic chemicals reduced through improved source control and/or treatment.

- 2.1.4 Toxics in infrastructure and building materials removed through source control and/or management/remediation.

- Action 33. Incentivize redevelopment in areas associated with high loads of toxic chemicals.

- Action 41. Find and fix toxic hotspots.

This request also supports Orca Task Force Recommendation 31. Reduce stormwater threats and accelerate clean-up of toxics harmful to orcas.

How will the other state programs or units of government be affected if this project is funded?
These cleanup projects are a collaborative effort by local, Tribal, state, and federal governments; business; agricultural and environmental interests; and the public to help preserve and protect Washington's environment. This funding is critical to ensuring cleanups work as designed to protect public and private capital investments in these sites.

Location
City: Statewide **County:** Statewide **Legislative District:** 098

Project Type
Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A
Application process used
N/A

Growth Management impacts
N/A

Funding

461 - Department of Ecology
Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/19/2024 11:21AM

Project Number: 40000653
Project Title: 2025-27 Clean Up Toxic Sites-Puget Sound Initiative

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
23N-1	MTC Capital Account-State	43,150,000				3,150,000
	Total	**43,150,000**	**0**	**0**	**0**	**3,150,000**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State	10,000,000	10,000,000	10,000,000	10,000,000
	Total	**10,000,000**	**10,000,000**	**10,000,000**	**10,000,000**

Operating Impacts

No Operating Impact

SubProjects

SubProject Number: 40000654
SubProject Title: Whidbey Marine and Auto

Project Number: **40000653**
Project Title: **2025-27 Clean Up Toxic Sites-Puget Sound Initiative**

SubProjects

SubProject Number: **40000654**
SubProject Title: **Whidbey Marine and Auto**

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 25

Project Summary

A significant source of pollution to Puget Sound is contaminated sites around the basin and its shorelines. Ecology has been identifying and cleaning up contaminated sites in the Puget Sound Basin for many years. This emphasis on bay-wide cleanup in the Sound and surrounding areas has highlighted a valuable link between toxic site cleanup and habitat restoration. This request will support projects that integrate shoreline habitat restoration opportunities with cleanup projects to protect public and environmental health, create jobs, and promote economic development. Ultimately, these projects support a healthier food chain to provide food (forage fish) for important species like salmon and other large marine mammals, including Southern Resident orcas. Related to Puget Sound Action Agenda. (Model Toxics Control Capital Account)

Project Description

The release of petroleum from an underground storage tank at the Whidbey Marine and Auto Supply site resulted in groundwater contamination that reached the perched groundwater zone and the deep sea-level aquifer, which serves as an important source of drinking water for Whidbey Island residents. The migrating petroleum threatens potable water supplies for wells located down and cross gradient of the plume. Meanwhile, the current owner is not expected to have the resources available to support cleanup activities. Ecology has stepped in to protect public health and safety. Existing funds are expected to cover Ecology's costs through the engineering design phase. Engineering design is expected to begin in 2025 followed by construction and the start of operations and maintenance (O&M) before the end of the 2025-27 biennium. An additional $1,000,000 is requested in 2025-27 to support cleanup construction and begin O&M, which are expected to occur during the 2025-27 biennium. The program is committed to continuing work on this Site due to the considerable risks to public health as a result of potential contamination of well water supplies if action is not taken.

Location

City: Unincorporated **County:** Island **Legislative District:** 010

Project Type

Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A
Application process used

N/A

Growth Management impacts

N/A

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/19/2024 11:21AM

Project Number: 40000653
Project Title: 2025-27 Clean Up Toxic Sites-Puget Sound Initiative

SubProjects

SubProject Number: 40000654
SubProject Title: Whidbey Marine and Auto

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
23N-1	MTC Capital Account-State	1,000,000				1,000,000
	Total	**1,000,000**	**0**	**0**	**0**	**1,000,000**

		Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000655
SubProject Title: Pacific Wood Treating

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 25

Project Summary

A significant source of pollution to Puget Sound is contaminated sites around the basin and its shorelines. Ecology has been identifying and cleaning up contaminated sites in the Puget Sound Basin for many years. This emphasis on bay-wide cleanup in the Sound and surrounding areas has highlighted a valuable link between toxic site cleanup and habitat restoration. This request will support projects that integrate shoreline habitat restoration opportunities with cleanup projects to protect public and environmental health, create jobs, and promote economic development. Ultimately, these projects support a healthier food chain to provide food (forage fish) for important species like salmon and other large marine mammals, including Southern Resident orcas. Related to Puget Sound Action Agenda. (Model Toxics Control Capital Account)

Project Description

Pacific Wood Treating (PWT) operated as a wood-treating facility at the City of Ridgefield's Lake River Industrial Site (LRIS) from 1964 to 1993. These operations resulted in the release of hazardous substances, including chlorinated dibenzo-p-dioxins and dibenzofurans, commonly known as dioxins. The primary suspected transport mechanism that may have impacted the off-property areas are believed to be associated with vehicle tracking, wind transport and deposition, and secondary dispersion (stormwater) to soils. Requested funding will support design and cleanup construction for the remaining residential yards and rights of way.

Location

City: Ridgefield **County:** Clark **Legislative District:** 020

Project Number: 40000653
Project Title: 2025-27 Clean Up Toxic Sites-Puget Sound Initiative

SubProjects

Project Type

SubProject Number: 40000655
SubProject Title: Pacific Wood Treating

Project Type
Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A
Application process used
N/A

Growth Management impacts
N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
23N-1	MTC Capital Account-State	2,000,000				2,000,000
	Total	**2,000,000**	**0**	**0**	**0**	**2,000,000**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000656
SubProject Title: SMOCS Course Support at Western Washington University

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/19/2024 11:21AM

Project Number: 40000653
Project Title: 2025-27 Clean Up Toxic Sites-Puget Sound Initiative

SubProjects

SubProject Number: 40000656
SubProject Title: SMOCS Course Support at Western Washington University

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 25

Project Summary

A significant source of pollution to Puget Sound is contaminated sites around the basin and its shorelines. Ecology has been identifying and cleaning up contaminated sites in the Puget Sound Basin for many years. This emphasis on bay-wide cleanup in the Sound and surrounding areas has highlighted a valuable link between toxic site cleanup and habitat restoration. This request will support projects that integrate shoreline habitat restoration opportunities with cleanup projects to protect public and environmental health, create jobs, and promote economic development. Ultimately, these projects support a healthier food chain to provide food (forage fish) for important species like salmon and other large marine mammals, including Southern Resident orcas. Related to Puget Sound Action Agenda. (Model Toxics Control Capital Account)

Project Description

In 2025-27 biennium, this project will continue support of Huxley College's Science Management of Contaminated Sites (SMOCS) course.

Location

City: Bellingham **County:** Whatcom **Legislative District:** 040

Project Type

Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A
Application process used

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	New Approps
23N-1	MTC Capital Account-State	150,000				150,000
	Total	**150,000**	**0**	**0**	**0**	**150,000**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/19/2024 11:21AM

Project Number: 40000653
Project Title: 2025-27 Clean Up Toxic Sites-Puget Sound Initiative

SubProjects

SubProject Number: 40000656
SubProject Title: SMOCS Course Support at Western Washington University

No Operating Impact

SubProject Number: 40000657
SubProject Title: 2025-27 Clean Up Toxic Sites-Puget Sound Init. Ten Year Fin. Plan

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 25

Project Summary

A significant source of pollution to Puget Sound is contaminated sites around the basin and its shorelines. Ecology has been identifying and cleaning up contaminated sites in the Puget Sound Basin for many years. This emphasis on bay-wide cleanup in the Sound and surrounding areas has highlighted a valuable link between toxic site cleanup and habitat restoration. This request will support projects that integrate shoreline habitat restoration opportunities with cleanup projects to protect public and environmental health, create jobs, and promote economic development. Ultimately, these projects support a healthier food chain to provide food (forage fish) for important species like salmon and other large marine mammals, including Southern Resident orcas. Related to Puget Sound Action Agenda. (Model Toxics Control Capital Account)

Project Description

Ten year financial plan.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A
Application process used

N/A

Growth Management impacts

N/A

Funding			Expenditures		2025-27 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
23N-1	MTC Capital Account-State	40,000,000				
	Total	**40,000,000**	**0**	**0**	**0**	**0**

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/19/2024 11:21AM

Project Number: 40000653
Project Title: 2025-27 Clean Up Toxic Sites-Puget Sound Initiative

SubProjects

SubProject Number: 40000657
SubProject Title: 2025-27 Clean Up Toxic Sites-Puget Sound Init. Ten Year Fin. Plan

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State	10,000,000	10,000,000	10,000,000	10,000,000
	Total	**10,000,000**	**10,000,000**	**10,000,000**	**10,000,000**

Operating Impacts

No Operating Impact

Ecology 2025-27 Biennium Capital Budget Project List
Toxics Cleanup Program
Cleanup Toxic Sites - Puget Sound Initiative

August 2024

Purpose: This list provides project details about the 2025-27 Clean Up Toxics Sites - Puget Sound budget request. This list represents cleanup projects that are underway and need funding to support the cleanup for ready to proceed projects. The projects were ranked according to phase of cleanup with Cleanup/Post Closure Monitoring having priority over Feasibility Study, Investigation, and Assessment. A review of impact to vulnerable or overburdened communities, acuity of need, readiness to proceed, cost efficiency, geographic distribution, and purposes of increasing affordable housing for each project was conducted. This list is a plan based on the best information available to Ecology. The plan may change as more information becomes available.

Rank	CSID	Applicant / Recipient	Project Title	Project Description	Amount	Phase of Cleanup	Site Address	City	County	Leg. District	WRIA	Lat.	Long.
1	5610	N/A	Whidbey Marine and Auto	The release of petroleum from an underground storage tank at the Whidbey Marine and Auto Supply site resulted in groundwater contamination that reached the perched groundwater zone and the deep sea-level aquifer, which serves as an important source of drinking water for Whidbey Island residents. The migrating petroleum threatens potable water supplies for wells located down and cross gradient of the plume. Meanwhile, the current owner is not expected to have the resources available to support cleanup activities. Ecology has stepped in to protect public health and safety. Existing funds are expected to cover Ecology's costs through the engineering design phase. Engineering design is expected to begin in 2025 followed by construction and the start of operations and maintenance (O&M) before the end of the 2025-27 biennium. An additional $1,000,000 is requested in 2025-27 to support cleanup construction and begin O&M, which are expected to occur during the 2025-27 biennium. The program is committed to continuing work on this Site due to the considerable risks to public health as a result of potential contamination of well water supplies if action is not taken.	1,000,000	Cleanup (Including Interim Actions)	1695 Main St	Freeland	Island	10	06 - Island	48.01	-122.52
2	3020	Port of Ridgefield	Pacific Wood Treating	Pacific Wood Treating (PWT) operated as a wood-treating facility at the City of Ridgefield's Lake River Industrial Site (LRIS) from 1964 to 1993. These operations resulted in the release of hazardous substances, including chlorinated dibenzo-p-dioxins and dibenzofurans, commonly known as dioxins. The primary suspected transport mechanism that may have impacted the off-property areas are believed to be associated with vehicle tracking, wind transport and deposition, and secondary dispersion (stormwater) to soils. Requested funding will support design and cleanup construction for the remaining residential yards and rights of way.	2,000,000	Cleanup Action Plan	111 W Division St	Ridgefield	Clark	20	27 - Lewis	45.82	-122.75
3	N/A	Western WA University	SMOCS Course Support at Western Washington University	In 2025-27 biennium, this project will continue support of Huxley College's Science Management of Contaminated Sites (SMOCS) course.	150,000	Policy, Outreach, or C/U Support	N/A	Bellingham	Whatcom	40	01 - Nooksack	48.73	-122.48
				TOTAL	**3,150,000**								

2025-27 Biennial Budget HEAL Act Template

Background

HEAL Act requirements

The Healthy Environment for All Act (HEAL Act), Chapter 314, Laws of 2021 (RCW 70A.02) requires that "covered and opt in agencies" must implement the requirements of the HEAL Act. This includes the:

- Department of Ecology
- Department of Agriculture
- Department of Commerce
- Department of Health
- Department of Natural Resources
- Department of Transportation
- Puget Sound Partnership
- Office of the Attorney General

HEAL Act agencies that are considering a significant agency action initiated after July 1, 2023, are required to conduct an environmental justice assessment. RCW 70A.02.010(12) specifies that significant agency actions include:

- The development and adoption of significant legislative rules as defined in RCW 34.05.328.
- The development and adoption of any new grant or loan program that the agency is explicitly authorized or required by statute to implement.
- A capital project, grant, or loan award costing at least $12,000,000.
- A transportation project, grant, or loan costing at least $15,000,000.
- The submission of agency request legislation to the Office of the Governor or OFM.

Under RCW 70A.02.080, beginning on or before July 1, 2023, covered and opt in agencies must, where practicable, take specific actions when making expenditure decisions or developing budget requests to OFM and the Legislature for programs that address or may cause environmental harms or provide environmental benefits. This includes:

- Focus applicable expenditures on creating environmental benefits that are experienced by overburdened communities and vulnerable populations, including reducing or eliminating environmental harms, creating community and population resilience, and improving the quality of life of overburdened communities and vulnerable populations.
- Create opportunities for overburdened communities and vulnerable populations to meaningfully participate in agency expenditure decisions.
- Clearly articulate environmental justice goals and performance metrics to communicate the basis for agency expenditures.
- Establish a goal of directing 40% of grants and expenditures that create environmental benefits to vulnerable populations overburdened communities.

To help OFM understand how HEAL Act agency budget requests meet HEAL Act requirements, covered agencies are required to complete additional questions related to the HEAL Act. These questions are shown below and are in addition to the equity related questions required of all agencies. Covered agencies are asked to complete the following questions and submit them through ABS.

HEAL Act questions

If you answer YES to any of these bullet points, please answer the six additional questions and submit them as an attachment through ABS.

- Is this decision package part of an agency request legislation that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding to support another significant agency action that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding for a program/project/activity that may **provide environmental benefits or reduce, mitigate, or eliminate environmental harms**, (that is not a significant agency action)? Note: This may include decision packages for programs not purposely directed to provide environmental benefits but may have an indirect or unintentional impact.

  ☒ Yes

  ☐ No

If you answer YES to any of the above bullet points, please complete these additional questions.

1. Please describe specific likely or probable environmental harms and/or benefits related to your decision package and the associated health impacts to overburdened communities and vulnerable populations.

   This request will protect the health and environment of vulnerable populations and overburdened communities from contamination at cleanup sites across the state. Unless sites such as these are cleaned up, they will continue to pose threats to public health, the environment, groundwater, and fish and wildlife resources. This budget also supports statewide initiatives like coursework at Western Washington University to support the education of new cleanup professionals.

   Under our state's cleanup rules, all state-directed cleanups funded by this request must consider:

- Public concerns, including the concerns of likely vulnerable populations and overburdened communities, identified through the community engagement process.
- Indian tribes' rights and interests identified through the tribal engagement process.

See WAC 173-340-360(3)(d) and(5)(c)(i)(C). During the cleanup selection process, Ecology must specifically consider vulnerable populations and overburdened communities, including when evaluating the protectiveness, long-term effectiveness, implementation risks, and restoration time frame of different cleanup alternatives (WAC 173-340-360(4)(c) and (5)(d)).

2. Please describe the estimated percentage and amount of the requested funds that will go towards creating environmental benefits in overburdened communities and vulnerable populations as defined in OFM's the OBC map or as determined by the agency. If applicable, please include your methodology for making this estimate, including project/award lists if available.

   This budget request includes three projects totaling $2,150,000 for funding for the 2025-27 biennium. State-directed lists, due to limited funding availability were kept minimal and largely restricted to ongoing projects. For this biennium, none of the funding in this request goes directly towards overburdened communities and vulnerable populations as defined in OFM's OBC map. Of the projects, one is not location specific as it supports an investment in the education of future cleanup professionals. The other two are ongoing projects prioritized based on the vulnerability connected to the exposure pathways:

   - **Whidbey Marine and Auto:** This funding continues the cleanup of contamination threatening the EPA designated sole source aquifer. Sole source aquifers provide at least 50% of the drinking water for the service area and have no reasonable alternative drinking water source should the aquifer become contaminated. Much of the Whidbey Island service area is in the 80th percentile or above for over the age of 64, making much of the population vulnerable to increased health risks through regular exposure pathways such as drinking water.
   - **Pacific Wood Treating:** This project was started with funds from a de minimums consent decree that were deposited into the Cleanup Settlement Account to support the off-site cleanup of yards and public rights-of-ways. Yard cleanups protect children, who are exposed through playing in the yard, in areas of historical contamination. The funds requested will support the final cleanup of legacy contamination that has left the local population vulnerable to continued exposure since 1964.

3. Please describe any potential significant impacts to Indian Tribes' rights and interest in their tribal lands, as well as traditional practices.

   There are no anticipated impacts to Indian Tribes' rights and interest in their tribal lands or traditional practices.

4. Describe how your agency engaged with Tribes in developing this proposal, including offers for tribal consultation including timelines, methods for feedback, and mechanisms for Tribes to express concern, opposition, or support., and any direction provided by Tribes through this engagement.

   All the state-directed cleanups funded by this request are subject to the public participation and tribal engagement requirements in our state's cleanup rules. Under those rules, Ecology seeks meaningful engagement with affected Indian tribes throughout the cleanup process and conducts cultural resource consultations with Indian tribes in accordance with Governor's Executive Order 21-02 (GEO 21-02) and WAC 173-340-815 at each appropriate step in the cleanup process to enable Tribes to provide input on the overall design and scope of each project. Further, Ecology will develop a tribal engagement plan to provide Indian Tribes with timely information, effective communication, continuous opportunities for collaboration and, when necessary, government-to-government consultation, as appropriate for each site (WAC 173-340-620(3)).

5. If the decision package is part of agency request legislation or supports another significant agency action that is required to complete an environmental justice assessment under RCW 70A.02.010(12), please submit the assessment as an attachment in ABS.

   N/A

6. If the decision package is part of agency request legislation or constitutes a significant agency action that is required to complete an environmental justice assessment, please describe how your agency used the environmental justice assessment process to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits. If your agency determined that you were unable to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits, please provide a justification for not doing so.

   N/A

OFM

461 - Department of Ecology
Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/29/2024 3:06PM

Project Number: **40000621**
Project Title: **2025-27 Waste Tire Pile Cleanup and Prevention**

Description

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 30

Project Summary

Illegally dumped tires in Washington continue to pose threats to public health and the environment. Tire piles leach pollutants that run off into the environment, provide habitat for mosquitos and other disease carriers, and elevate the risk of highly toxic fires. Ecology requests $1 million to continue preventing and removing waste tire piles and to provide enforcement and education on tire storage and hauling regulations. (Waste Tire Removal Account)

Project Description

What is the proposed project?

Ecology requests $1 million to continue funding to prevent and remove waste tire piles and to provide enforcement and education for tire storage and hauling regulations. Waste tire pollution affects the health of Washington residents. Piles of waste tires harbor mosquitoes, rats, and other disease vectors. The West Nile and Zika viruses are transmitted by mosquitoes and pose threats to public health. Tire piles are highly flammable, and tire fires emit toxic chemicals and particulates.

Tire piles continue to challenge state, Tribal, and local officials responsible for cleaning up unauthorized dump sites and preventing further waste accumulation. Illegal tire dumping is a significant issue on Tribal lands. This program is effective at reducing tire pile fires, but we need continued funding to prevent tire stockpiling and unwanted tire piles.

RCW 70A.205.405 requires a $1 fee on the retail sale of every new replacement vehicle tire. Revenues from this fee are deposited in the Waste Tire Removal Account (WTRA),which can be used to prevent and clean up unauthorized waste tire piles. Each biennium, Ecology uses $1 million of the fee revenues from the account to implement waste tire reduction goals. Ecology uses the WTRA funds for pile removals, amnesty events, enforcement, cleanup, and education programs. Ecology also provides technical support on waste tire pollution prevention and enforcement of tire hauling and storage requirements. However, operating costs have increased considerably since 2009, and requests for cleanup projects exceed the $1 million biennial appropriation.

As noted in *Attachment A*, from 2007 to 2023, Ecology removed over 152 million pounds of tires from 560 locations in 37 counties across the state, helping local governments and Tribes stretch their limited resources to clean up waste tires.

What opportunity or problem is driving this request?

Illegally dumped tires pose a fire hazard. Because tires are mostly made of rubber (natural and synthetic), they are hard to extinguish when they catch fire. The smoke is extremely toxic and full of cancer-causing chemicals, and the run off contaminates soil and groundwater. Due to their heavy metal and other pollutant content, tires pose a risk for leaching toxic chemicals into storm water and groundwater. Piled tires capture water and create the ideal habitat for mosquitoes, which can spread illnesses such as avian flu, West Nile virus, and Zika virus. Tire piles provide habitat for large populations of rats, which can also transmit diseases.

What are the specific benefits of this project?

Specific clean up and prevention benefits include reducing the risk of dangerous and toxic tire pile fires, reducing habitat for vermin and disease spreading insects, reducing risk of surface and groundwater contamination, and recycling used tires when possible.

Project Number: 40000621
Project Title: 2025-27 Waste Tire Pile Cleanup and Prevention

Description

What are the effects of non-funding?
If this request is not approved, there would be reduced local focus on activities to prevent and clean up illegal tire piles and enforcement and education programs. Minimal cleanups would occur through voluntary action of landowners or through enforcement actions by local governments, who lack the resources to concentrate on this difficult waste stream. Waste tire piles would re-accumulate and pose health and safety risks for people and the environment.

Why is this the best option or alternative?
In the early 1990s, a similar state-funded tire pile cleanup effort cleaned up 29 tire piles in Washington. The funding ran out before several large tire pile sites were cleaned up. Without an ongoing tire prevention and enforcement program, those large tire piles remained and more piles were created.

In 2005, the Legislature established the tire fee to provide funding to remove the tire piles left behind in the 1990s and fund removal of more than 130 additional piles identified across the state. There is no other fund source or state or local program available to conduct a comprehensive waste tire program. Experience shows that local governments and Tribes do not have sufficient resources to clean up tire piles. This program has proven successful at addressing an ongoing need.

How will clients be affected and services change if this project is funded?
Ecology provides support to Tribes and local governments to prevent tire piles, enforce regulations, and remove waste tires from local communities. Funding in the 2025-27 biennium will continue prevention, enforcement, and free removal and disposal of waste tires across the state. This benefits residents, businesses, and local communities that may otherwise not safely and properly dispose of or recycle waste tires due to financial constraints.

Focus on Equity
Target Populations and Communities:
The Waste Tire Pile Cleanup and Prevention Program supports communities across Washington. Illegally dumped waste tires are linked to toxic fires, surface water contamination, creation of habitat for vectors of disease, and decreased quality of life for communities—especially in low-income urban areas and rural areas.

This program does not target specific populations and communities, but the location and impacts of tire piles often disproportionately impact areas with environmental justice considerations. This program is also the only state-funded resource dedicated to preventing and removing waste tire piles and is the only resource for many Tribes and local governments for these efforts.

Community Outreach and Engagement:
Community outreach and engagement was not conducted related to this specific request. However, Tribes and local governments are key partners in this ongoing effort, and they continue to coordinate amnesty and cleanup events throughout the state.

Disproportional Impact Considerations:
Reducing impacts and threats from waste tire piles will provide direct benefits to communities across the state and the environment, with particular benefits to overburdened communities and Tribes. Because waste tire dumping is illegal, waste tire piles tend to accumulate in areas with lower visibility and fewer public resources, such as rural areas and lower-income communities. This creates public health and safety hazards for those who live nearby and compounds environmental justice inequities. Tribal lands are also frequently targeted for illegal waste tire dumping.

Project Number: 40000621
Project Title: 2025-27 Waste Tire Pile Cleanup and Prevention

Description

HEAL Act Agencies Supplemental Questions:
See attached.

What is the agency's proposed funding strategy for the project?
RCW 70A.205.425 directs Ecology to use the WTRA dedicated funding to pay for waste tire pile cleanups, education, prevention, and enforcement. This request implements the legislative intent for this funding source.

Are FTEs required to support this project?
Ecology is requesting 1.15 FTEs for this work. This is the same level of FTEs currently supporting this capital program in the 2023-25 biennium. These staff manage and coordinate tire removal efforts and provide technical support for prevention and enforcement.

How does the project support the agency and statewide results?
This request is essential to achieving the Governor's Results Washington Goal 3: Sustainable Energy and a Clean Environment, and Ecology's Goal 3: Prevent and Reduce Waste, Toxic Threats, and Pollution because it will prevent and reduce waste tire piles, which can:
- Contaminate groundwater and surface water.
- Catch fire and produce toxic air emissions and contaminate soil.

This request is essential to achieving Ecology's Goal 4: Protect and Manage our State's Waters because it will support the work Ecology is doing to examine the feasibility and strategies for removing Puget Sound's tire reefs.

This request is essential to achieving the Governor's Results Washington Goal 4: Healthy and Safe Communities because it will prevent and remove waste tire piles, which are an ideal habitat for disease-carrying insects and vermin. It will also reduce public health and safety risks associated with tire fires and improve living conditions.

How will the other state programs or units of government be affected if this project is funded?
Using funding from the WTRA to remove waste tire piles and prevent re-accumulation reduces the financial burden on other state, Tribal, and local government programs. This cleanup program reduces the need for Tribes and local governments to respond to burning tire piles and insect and vermin problems.

Location
City: Statewide **County:** Statewide **Legislative District:** 098

Project Type
Grants

461 - Department of Ecology
Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/29/2024 3:06PM

Project Number: 40000621
Project Title: 2025-27 Waste Tire Pile Cleanup and Prevention

Description

Grant Recipient Organization: N/A

RCW that establishes grant: Chapter 70A.205 RCW

Application process used

Ecology supports Tribes and local governments to prevent tire piles, enforce tire regulations, and provide free removal and disposal of waste tires in communities across the state. Grant funding is currently not being provided to our partners; instead, Ecology directly covers the costs of the tire cleanups and amnesty events.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
08R-1	Waste Tire Removal A-State	5,000,000				1,000,000
	Total	**5,000,000**	**0**	**0**	**0**	**1,000,000**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
08R-1	Waste Tire Removal A-State	1,000,000	1,000,000	1,000,000	1,000,000
	Total	**1,000,000**	**1,000,000**	**1,000,000**	**1,000,000**

Operating Impacts

No Operating Impact

Attachment A - Ecology Waste Tire Removal 2007-2023

Fiscal Year*	Ecology Expenditures	Tons of Tires Removed*	Number of Piles or Events
2006	$ 35,057	*	*
2007	$ 665,774	5,962	3
2008	$ 4,520,302	30,760	49
2009	$ 2,715,345	10,897	77
2010	$ 1,638,451	6,611	42
2011	$ 398,932	1,802	19
2012	$ 460,423	906	11
2013	$ 459,436	2,336	53
2014	$ 414,656	2,056	44
2015	$ 334,173	1,625	37
2016	$ 431,962	2,124	42
2017	$ 446,708	2,084	36
2018	$ 175,748	[+]	[+]
2019	$ 652,848	2,986	31
2020	$ 787,456	1,838	12
2021	$ 489,866	1,620	43
2022	$ 636,393	1,973	44
2023	$ 435,777	620	17
Total	**$ 15,699,307**	**76,200**	**560**

*Fiscal year 2006 was the first year of the program and only includes staff costs. Waste tire cleanup began in fiscal year 2007. Tons of tires removed are calculated using actual over the scale weights in most instances, but in some instances, standard industry conversion factors are used to calculate weights.

[+]Due to the delayed passage of a new 2017-19 capital budget, Ecology was not able to issue a new request for proposal for tire work until late in the first half of the biennium, thus, there were no deliverables in Fiscal Year 2018.

2025-27 Biennial Budget HEAL Act Template

Background

HEAL Act requirements

The Healthy Environment for All Act (HEAL Act), Chapter 314, Laws of 2021 (RCW 70A.02) requires that "covered and opt in agencies" must implement the requirements of the HEAL Act. This includes the:

- Department of Ecology
- Department of Agriculture
- Department of Commerce
- Department of Health
- Department of Natural Resources
- Department of Transportation
- Puget Sound Partnership
- Office of the Attorney General

HEAL Act agencies that are considering a significant agency action initiated after July 1, 2023, are required to conduct an environmental justice assessment. RCW 70A.02.010(12) specifies that significant agency actions include:

- The development and adoption of significant legislative rules as defined in RCW 34.05.328.
- The development and adoption of any new grant or loan program that the agency is explicitly authorized or required by statute to implement.
- A capital project, grant, or loan award costing at least $12,000,000.
- A transportation project, grant, or loan costing at least $15,000,000.
- The submission of agency request legislation to the Office of the Governor or OFM.

Under RCW 70A.02.080, beginning on or before July 1, 2023, covered and opt in agencies must, where practicable, take specific actions when making expenditure decisions or developing budget requests to OFM and the Legislature for programs that address or may cause environmental harms or provide environmental benefits. This includes:

- Focus applicable expenditures on creating environmental benefits that are experienced by overburdened communities and vulnerable populations, including reducing or eliminating environmental harms, creating community and population resilience, and improving the quality of life of overburdened communities and vulnerable populations.
- Create opportunities for overburdened communities and vulnerable populations to meaningfully participate in agency expenditure decisions.
- Clearly articulate environmental justice goals and performance metrics to communicate the basis for agency expenditures.
- Establish a goal of directing 40% of grants and expenditures that create environmental benefits to vulnerable populations overburdened communities.

To help OFM understand how HEAL Act agency budget requests meet HEAL Act requirements, covered agencies are required to complete additional questions related to the HEAL Act. These questions are shown below and are in addition to the equity related questions required of all agencies. Covered agencies are asked to complete the following questions and submit them through ABS.

HEAL Act questions

If you answer YES to any of these bullet points, please answer the six additional questions and submit them as an attachment through ABS.

- Is this decision package part of an agency request legislation that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding to support another significant agency action that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding for a program/project/activity that may **provide environmental benefits or reduce, mitigate, or eliminate environmental harms**, (that is not a significant agency action)? Note: This may include decision packages for programs not purposely directed to provide environmental benefits but may have an indirect or unintentional impact.

  ☒ Yes

  ☐ No

If you answer YES to any of the above bullet points, please complete these additional questions.

1. Please describe specific likely or probable environmental harms and/or benefits related to your decision package and the associated health impacts to overburdened communities and vulnerable populations.

   Funding Ecology's waste tire cleanup program provides environmental benefits to all communities including Tribes, overburdened communities, and vulnerable populations. Because waste tire dumping is illegal, waste tire piles tend to accumulate in areas with lower visibility and fewer public resources, such as rural areas and lower-income communities. This creates public health and safety hazards for those who live nearby and compounds environmental justice inequities. Tribal lands are also frequently targeted for illegal waste tire dumping.

2. Please describe the estimated percentage and amount of the requested funds that will go towards creating environmental benefits in overburdened communities and vulnerable populations as defined in OFM's the OBC map or as determined by the agency. If applicable, please include your methodology for making this estimate, including project/award lists if available.

   Arounds 70% of the requested funds will go to creating environmental benefits in overburdened communities and vulnerable populations. This estimate is based on previous cleanup events and geographical demand for program services. The majority of demand comes from rural areas and in review of the OBC map, those areas are primarily overburdened communities.

3. Please describe any potential significant impacts to Indian Tribes' rights and interest in their tribal lands, as well as traditional practices.

   This program supports Tribes through amnesty and cleanup events. Continuing to fund this program will allow for Tribes to access this service and have illegally dumped tires removed from tribal lands. This program is the only state-funded resource dedicated to preventing and removing waste tire piles and is the only resource for many Tribes and local governments for these efforts.

4. Describe how your agency engaged with Tribes in developing this proposal, including offers for tribal consultation including timelines, methods for feedback, and mechanisms for Tribes to express concern, opposition, or support., and any direction provided by Tribes through this engagement.

   N/A

5. If the decision package is part of agency request legislation or supports another significant agency action that is required to complete an environmental justice assessment under RCW 70A.02.010(12), please submit the assessment as an attachment in ABS.

   N/A

6. If the decision package is part of agency request legislation or constitutes a significant agency action that is required to complete an environmental justice assessment, please describe how your agency used the environmental justice assessment process to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits. If your agency determined that you were unable to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits, please provide a justification for not doing so.

   N/A

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OFM

461 - Department of Ecology
Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/9/2024 11:19AM

Project Number: 40000629
Project Title: 2025-27 Cleanup Settlement Account Projects

Description

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 31

Project Summary

Ecology is requesting appropriation from the Cleanup Settlement Account (CSA) to support cleanup work associated with one toxic site previously operated by ASARCO. The CSA was created by the Legislature in 2008 as an interest-bearing account in the state treasury. Its purpose is to manage money from settlements or court orders in cases of bankruptcy, limited ability to pay, or natural resource damages. The account ensures settlement funds are used to support specific site cleanup activities or to address injuries to natural resources from the settled liability. (Cleanup Settlement Account)

Project Description

What is the proposed project?

Ecology is requesting $650,000 from the Cleanup Settlement Account (CSA) to support cleanup work associated with the Golden King Mine, previously operated by ASARCO. The site is located south of the city of Wenatchee on the west side of the Squilchuck Creek drainage. The CSA is important to cleanup work across the state. Settlement funds held in the account enable Ecology to clean up contamination, support sustainable communities, and create a better environment for present and future generations. For additional information on the CSA and work conducted to date, please see: https://apps.ecology.wa.gov/publications/SummaryPages/2209081.html.

The CSA allows the state to retain earned interest on the funds in the account, which provides additional money over time to complete the work required by each settlement. The state uses both the deposited funds and the interest earned for cleanup activities associated with each specific site connected to a settlement. The project requested is ready to proceed and Ecology anticipates funding can be spent within one to two biennia of appropriation.

What opportunity or problem is driving this request?

The contracting process for cleanup process is iterative, with different contracts supporting different phases of work. For example, the work at the Golden Mine Site may require contracts to support sampling, design, and a final contract for public works to conduct the cleanup related action. By making the funds available, Ecology can begin the remedial investigation phase for cleanup activities.

What are the specific benefits of this project?

This work will benefit Washingtonians by continuing cleanup work at sites where the Potential Liable Party (PLP) has settled their liability. Specifically, benefits of this request include:

- Cleaned up contaminated sites.
- Reduced exposure of hazardous substances to the environment and public as work progresses on these sites.
- Continued cleanup and restoration.

This request will also provide economic benefits to the state by creating up to 2 jobs during the next four years based on Office of Financial Management estimates.

What are the effects of non-funding?

If this request is not funded, the available funding in the CSA would not be able to be used to support the cleanup efforts at the site. As a result, progress on completing these cleanups actions would not be conducted and the legacy contamination at the site would continue to be a threat to human health and the environment.

Project Number: 40000629
Project Title: 2025-27 Cleanup Settlement Account Projects

Description

Why is this the best option or alternative?
Proceeds from the ASARCO settlement, including earned interest, were deposited into the CSA, and can only be used to pay for cleanup costs associated with this specific site. Funding this request is the only mechanism for accessing funds in the CSA for this site.

How will clients be affected and services change if this project is funded?
This request will support work to protect or improve human health and the environment by providing funding to clean up an old mine, including old infrastructure. This work will improve human health and the environment by removing contamination and preventing further failure of unmaintained structures that could spread contamination into nearby sensitive habitats.

Focus on Equity:
Target Populations and Communities
CSA funds are required to be used for the sites and scopes of work the liability was settled for. Ecology does not have discretion to target CSA funds to specific populations or communities.

Community Outreach and Engagement
A cultural resource consultation according to the Governor's Executive Order 21-02 will be conducted early in the scope development process where any affected Tribes will be provided the opportunity to comment and provide input on the overall design and scope of the project.

To comply with Title VI nondiscrimination obligations, and to promote environmental justice and best practices for meaningful community engagement, Ecology will ensure effective communication and outreach that addresses linguistic, cultural, literacy, technology, and accessibility barriers. We welcome meaningful participation when discretion permits.

Disproportional Impact Considerations
The Golden King Mine is not located in an overburdened community. Ecology does not foresee any likely or probable environmental harms and/or associated health impacts to overburdened communities and vulnerable populations. By accelerating the investigation and remediation of the site, legacies of toxic pollution and waste from a centuries-old mine will be able to be appropriately and effectively addressed to protect communities adjacent to and downstream of the site.

HEAL Act Agencies Supplemental Questions
See attached.

What is the agency's proposed funding strategy for the project?
Settlement funds are deposited into the CSA and accrue interest over time. The requested funding must be used exclusively at the site the settlement was made for and interest was earned. This request is phased to the first iteration of contracting for this specific project. Ecology will request additional funds for future stages after the completion of earlier phases of cleanup work. It is possible the project will require funds beyond the funding available in the Cleanup Settlement Account to finish the final cleanup.

Are FTEs required to support this project?

Project Number: 40000629
Project Title: 2025-27 Cleanup Settlement Account Projects

Description

No

How does the project support the agency and statewide results?
This request is essential to achieving Ecology's Goal 3: Prevent and reduce waste, toxic threats, and pollution because it will ensure pollution and contaminated sites, including legacy environmental contamination, are managed and cleaned up while taking into consideration environmental justice, environmental and human health, community needs, and economic vitality. It also contributes resources to continue activity A005, Clean Up the Most Contaminated Sites First (Upland and Aquatic).

The request is essential to achieving the Governor's Results Washington Goal 3: Sustainable Energy and a Clean Environment because it will invest in the protection of public health and natural resources by cleaning up contaminated sites.

How will the other state programs or units of government be affected if this project is funded?
Ecology continues to engage and update the public and stakeholders (e.g., local governments, neighborhood groups, and legislative delegations) through public meetings, mailing fliers, focus sheets, and public comment periods on various documents.

Location
City: Statewide **County:** Statewide **Legislative District:** 098

Project Type
Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A
Application process used
N/A

Growth Management impacts
N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	New Approps
15H-1	Cleanup Set Acct-State	650,000				650,000
	Total	**650,000**	**0**	**0**	**0**	**650,000**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
15H-1	Cleanup Set Acct-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/9/2024 11:19AM

Project Number: 40000629
Project Title: 2025-27 Cleanup Settlement Account Projects

Operating Impacts

No Operating Impact

SubProjects

SubProject Number: 40000640
SubProject Title: Golden King / Lovitt Mine

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 31

Project Summary

Ecology is requesting appropriation from the Cleanup Settlement Account (CSA) to support cleanup work associated with one toxic site previously operated by ASARCO. The CSA was created by the Legislature in 2008 as an interest-bearing account in the state treasury. Its purpose is to manage money from settlements or court orders in cases of bankruptcy, limited ability to pay, or natural resource damages. The account ensures settlement funds are used to support specific site cleanup activities or to address injuries to natural resources from the settled liability. (Cleanup Settlement Account)

Project Description

The Lovitt Mine, aka Golden King Mine, site is located south of the city of Wenatchee on the west side of the Squilchuck Creek drainage. It was used for gold and silver mining from the late 1800s to 1967 when it was closed. An estimated 400,000 to 450,000 cubic yards of tailings are deposited in the valley bottom along Squilchuck Creek over an area of over 13 acres. There are residences within, adjacent to, and down-gradient of the tailings pile. Access to most of the site has been granted by formal agreement, and an initial site investigation was conducted in 2013. Contaminated soils with heavy metals are suspected throughout the site but highest concentrations are likely in the tailings adjacent to and potentially within Squilchuck Creek. Funding will be used for a remedial investigation to better understand the extent of the contamination in the soil, groundwater, and surface water throughout the site.

Location

City: Wenatchee **County:** Chelan **Legislative District:** 012

Project Type

Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A
Application process used

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	New Approps
15H-1	Cleanup Set Acct-State	650,000				650,000
	Total	**650,000**	**0**	**0**	**0**	**650,000**

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/9/2024 11:19AM

Project Number: 40000629
Project Title: 2025-27 Cleanup Settlement Account Projects

SubProjects

SubProject Number: 40000640
SubProject Title: Golden King / Lovitt Mine

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
15H-1	Cleanup Set Acct-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

Ecology 2025-27 Biennium Capital Budget Project List
Toxics Cleanup Program
Cleanup Settlement Account

August 2024

Purpose: During the 2008 legislative session, the Legislature passed Senate Bill 6722 that created the Cleanup Settlement Account. Ecology requested this legislation to create an interest-bearing account in the state treasury to manage money from settlements or court orders in cases of bankruptcy, limited ability to pay, or natural resource damages. This account ensures that settlement funds are linked to specific site cleanup activities or damages to natural resources. The statutory provision was codified in RCW 70A.305.130.

Rank	CSID	Applicant / Recipient	Project Title	Project Description	Amount	Phase of Cleanup	Site Address	City	County	Leg. District	WRIA	Lat.	Long.
1	2746	N/A	Golden King / Lovitt Mine	The Lovitt Mine, aka Golden King Mine, site is located south of the city of Wenatchee on the west side of the Squilchuck Creek drainage. It was used for gold and silver mining from the late 1800s to 1967 when it was closed. An estimated 400,000 to 450,000 cubic yards of tailings are deposited in the valley bottom along Squilchuck Creek over an area of over 13 acres. There are residences within, adjacent to, and down-gradient of the tailings pile. Access to most of the site has been granted by formal agreement, and an initial site investigation was conducted in 2013. Contaminated soils with heavy metals are suspected throughout the site but highest concentrations are likely in the tailings adjacent to and potentially within Squilchuck Creek. Funding will be used for a remedial investigation to better understand the extent of the contamination in the soil, groundwater, and surface water throughout the site.	650,000	Engineering Design	2493 S Methow Street	Wenatchee	Chelan	12	40	47.38	-120.32
				TOTAL	**650,000**								

2025-27 Biennial Budget HEAL Act Template

Background

HEAL Act requirements

The Healthy Environment for All Act (HEAL Act), Chapter 314, Laws of 2021 (RCW 70A.02) requires that "covered and opt in agencies" must implement the requirements of the HEAL Act. This includes the:

- Department of Ecology
- Department of Agriculture
- Department of Commerce
- Department of Health
- Department of Natural Resources
- Department of Transportation
- Puget Sound Partnership
- Office of the Attorney General

HEAL Act agencies that are considering a significant agency action initiated after July 1, 2023, are required to conduct an environmental justice assessment. RCW 70A.02.010(12) specifies that significant agency actions include:

- The development and adoption of significant legislative rules as defined in RCW 34.05.328.
- The development and adoption of any new grant or loan program that the agency is explicitly authorized or required by statute to implement.
- A capital project, grant, or loan award costing at least $12,000,000.
- A transportation project, grant, or loan costing at least $15,000,000.
- The submission of agency request legislation to the Office of the Governor or OFM.

Under RCW 70A.02.080, beginning on or before July 1, 2023, covered and opt in agencies must, where practicable, take specific actions when making expenditure decisions or developing budget requests to OFM and the Legislature for programs that address or may cause environmental harms or provide environmental benefits. This includes:

- Focus applicable expenditures on creating environmental benefits that are experienced by overburdened communities and vulnerable populations, including reducing or eliminating environmental harms, creating community and population resilience, and improving the quality of life of overburdened communities and vulnerable populations.
- Create opportunities for overburdened communities and vulnerable populations to meaningfully participate in agency expenditure decisions.
- Clearly articulate environmental justice goals and performance metrics to communicate the basis for agency expenditures.
- Establish a goal of directing 40% of grants and expenditures that create environmental benefits to vulnerable populations overburdened communities.

To help OFM understand how HEAL Act agency budget requests meet HEAL Act requirements, covered agencies are required to complete additional questions related to the HEAL Act. These questions are shown below and are in addition to the equity related questions required of all agencies. Covered agencies are asked to complete the following questions and submit them through ABS.

HEAL Act questions

If you answer YES to any of these bullet points, please answer the six additional questions and submit them as an attachment through ABS.

- Is this decision package part of an agency request legislation that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding to support another significant agency action that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding for a program/project/activity that may **provide environmental benefits or reduce, mitigate, or eliminate environmental harms**, (that is not a significant agency action)? Note: This may include decision packages for programs not purposely directed to provide environmental benefits but may have an indirect or unintentional impact.

  ☒ Yes

  ☐ No

If you answer YES to any of the above bullet points, please complete these additional questions.

1. Please describe specific likely or probable environmental harms and/or benefits related to your decision package and the associated health impacts to overburdened communities and vulnerable populations.

   Ecology does not foresee any likely or probable environmental harms and/or associated health impacts to overburdened communities and vulnerable populations. By accelerating the investigation and remediation of the site, legacies of toxic pollution and waste from a centuries-old mine will be able to be appropriately and effectively addressed to protect communities adjacent to and downstream of the site.

2. Please describe the estimated percentage and amount of the requested funds that will go towards creating environmental benefits in overburdened communities and vulnerable populations as defined in OFM's the OBC map or as determined by the agency. If applicable, please include your methodology for making this estimate, including project/award lists if available.

   The only site within this request is not located within an Overburdened Community. However, the site is located just outside of East Wenatchee, which is listed on the OBC map as overburdened.

3. Please describe any potential significant impacts to Indian Tribes' rights and interest in their tribal lands, as well as traditional practices.

   At this time, Ecology does not foresee any potential significant impacts to Indian tribes' rights and interest in their tribal lands. However, a cultural resource consultation in accordance with Governor's Executive Order 21-02 (GEO 21-02) will be conducted early in the scope development process in which any affected Tribes will be provided the opportunity to comment and provide input on the overall design and scope of the project.

4. Describe how your agency engaged with Tribes in developing this proposal, including offers for tribal consultation including timelines, methods for feedback, and mechanisms for Tribes to express concern, opposition, or support., and any direction provided by Tribes through this engagement.

   Ecology will conduct a cultural resource review and consultation for the project in accordance with Governor's Executive Order 21-02 (GEO 21-02) in which the Department of Archaeology and Historic Preservation (DAHP) and three (3) affected Tribes (The Confederated Tribes of the Colville Reservation, The Confederated Tribes & Bands of the Yakama Nation, and the Sauk-Suiattle Indian Tribe) will be consulted to determine any potential risks to archaeological or cultural resources that may be affected by this project. At a minimum, Ecology will require an Inadvertent Discovery Plan (IDP) to be implemented for any ground disturbance at the site. Any additional mitigation requirements or requests identified by DAHP or the affected Tribes during the cultural resource consultation will also be required to be included when developing the final scope of work for the project.

5. If the decision package is part of agency request legislation or supports another significant agency action that is required to complete an environmental justice assessment under RCW 70A.02.010(12), please submit the assessment as an attachment in ABS.

   N/A

6. If the decision package is part of agency request legislation or constitutes a significant agency action that is required to complete an environmental justice assessment, please describe how your agency used the environmental justice assessment process to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits. If your agency determined that you were unable to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits, please provide a justification for not doing so.

   N/A

Department of Ecology
2025-2035 Capital Budget

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OFM

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/20/2024 2:27PM

Project Number: 40000625
Project Title: 2025-27 Water Pollution Control Revolving Program

Description

Starting Fiscal Year: 2026
Project Class: Grant - Pass Through
Agency Priority: 1

Project Summary

Congress established the Clean Water State Revolving Fund (CWSRF) under Title VI of the federal Clean Water Act to capitalize state-run, low-interest loan programs to finance water quality facilities and activities. The Washington State Water Pollution Control Revolving Account (WPCRA), established under Chapter 90.50A RCW, implemented the loan program to provide low-interest loans to local governments, special purpose districts, and federally recognized Tribes for high-priority water quality projects statewide. Ecology is requesting $614 million in appropriation to continue essential work through this loan program. Related to Puget Sound Action Agenda implementation. (Water Pollution Control Revolving Account)

Project Description

What is the proposed project?

Each year, Ecology accepts loan applications from cities, counties, special purpose districts (e.g., sewer districts), Tribes, and conservation districts seeking financial help to improve and protect water quality in their communities.

On November 15, 2021, the federal Infrastructure Investment and Jobs Act was signed into law, officially enacting the Bipartisan Infrastructure Law (BIL), which includes new CWSRF funding through the Environmental Protection Agency (EPA) to states. This includes BIL stimulus funds, emerging contaminants funds, and reauthorization of the annual base capitalization grant. BIL and emerging contaminants funding will continue through the 2025-27 biennium.

Ecology uses these funds to finance planning, designing, acquiring, constructing, and improving water pollution control facilities and for related nonpoint source activities that help meet state and federal water pollution control requirements.

Ecology makes loans available through a statewide competitive rating and ranking process. Since its creation in 1989, the CWSRF program has loaned more than $3.36 billion to public entities. The CWSRF is by far the largest source of low-interest loan funds Washington State government has dedicated to environmental protection. The work accomplished through CWSRF loans is an integral and essential part of the state's strategy to reduce pollution of our marine waters, estuaries, lakes, rivers, and groundwater.

This request includes appropriation for:

- $214 million from the WPCRA – Federal (Fund 727–2) for base federal capitalization, BIL stimulus, and emerging contaminants grants.

- $400 million from the WPCRA – State (Fund 727–1) from loan and interest repayments and a state match.

Note: The annual federal capitalization and BIL stimulus funds must be matched with state funds. Ecology is requesting state match through a separate capital project request that will transfer $41 million from the State Taxable Building Construction Account (STBCA).

What opportunity or problem is driving this request?

A number of ongoing and emerging issues drive Washington’s water quality funding needs. Ecology works with local governments, special purpose districts, Tribes, state and federal agencies, and other community partners to ensure financial assistance programs are meeting water quality needs by providing affordable loan financing to address:

- Aging and new wastewater treatment infrastructure.

Project Number: 40000625
Project Title: 2025-27 Water Pollution Control Revolving Program

Description

- Water quality cleanup plans required under the federal Clean Water Act.

- Advanced wastewater treatment to meet designated uses of the receiving water.

- Wastewater reclamation and reuse to address sustainability and resilience.

- Stormwater planning.

- Nonpoint pollution from surface water runoff from agricultural land, urban areas, and forested land.

- Failing onsite sewage systems.

- Water quality needs of financially distressed communities.

Continued funding of the base federal capitalization grant and BIL stimulus funding is critical for helping Washington's local governments, special purpose districts, and federally recognized Tribes update and improve water quality infrastructure and implement associated water quality projects focused on protecting and improving water quality and public health.

Ecology awards CWSRF loans to local governments, special purpose districts, and federally recognized Tribes. The following funding split established by Chapter 173–98 WAC (Uses and Limitations of the Water Pollution Control Revolving Fund) creates three broad categories for CWSRF projects:

- 75% of the money is for planning, designing, or constructing water pollution control facilities. These facilities can include wastewater treatment plants, facilities to reduce combined sewer overflows, sewer mains, stormwater control projects, and other water pollution control facilities.

- 20% of the funding is for nonpoint source pollution projects statewide, including conservation and nonpoint pollution management projects in federally designated estuaries of Puget Sound and the lower Columbia River. Nonpoint pollution sources enter the state's waters from dispersed, rather than point, sources. For example, surface water runoff from agricultural lands, urban areas, or forested lands are nonpoint sources.

- 5% is set aside for stormwater and wastewater facility preconstruction projects to ensure funding is available for critical facility planning and design—particularly for small, financially challenged communities.

The CWSRF program is the nation's largest federal funding source for water quality improvement and protection projects. The successful partnership between the EPA and the states allows federal and state agencies to stretch the limited dollars available for water quality infrastructure. The 2022 EPA Clean Watersheds Needs Survey estimates the need for funding water quality infrastructure projects for Washington State over a 20-year period at more than $18.6 billion (see https://www.epa.gov/cwns).

This estimate includes only well-documented, facility-construction focused needs and does not include the costs associated with addressing nonpoint pollution, including stormwater retrofit needs. If needs were extrapolated to include all the undocumented communities and nonpoint source needs, the figure would be significantly higher.

CWSRF statutory requirements, administrative rule uses and limitations, and Ecology policy provide the framework for the funding guidelines, including:

Description

- RCW 70A.45.070, Distribution of funds for infrastructure and capital development projects—Prerequisites. (Please see attached applicant requirements for greenhouse gas emissions reduction.)

- Chapter 70A.135 RCW, Water Pollution Control Facilities Financing

- Chapter 90.46 RCW, Reclaimed Water Use

- Chapter 90.50A RCW, Water Pollution Control Facilities – Federal Capitalization Grant

- Chapter 173-98 WAC, Uses and Limitations of the Water Pollution Control Revolving Fund

- Chapter 173-240 WAC, Submission of Plans and Reports for Construction of Wastewater Facilities

- Administrative Requirements for Recipients of Ecology Grants and Loans (Ecology publication)

What are the specific benefits of this project?
The CWSRF loan program provides low-interest loans to local governments, special purpose districts, and federally recognized Tribes for wastewater treatment, nonpoint source pollution control, and watershed and estuary management projects that achieve specific environmental and public health benefits, including:

- Eliminating severe public health hazards and environmental degradation.

- Achieving regulatory compliance with permit requirements, consent decrees, compliance orders, and Total Maximum Daily Load (TMDL) or waste-load allocations.

- Restoring and protecting designated uses of Washington’s waters, such as drinking water, aquatic habitat, shellfish harvesting, and recreation.

The economic value water quality infrastructure projects provide to the community and economy includes short-term benefits by supporting construction jobs and long-term benefits by funding sustainable clean water infrastructure that also supports growth and economic development. CWSRF low-interest loans and loan subsidies can save communities millions in interest payments compared to local government bond issuance. CWSRF funds are often the only option for small, financially disadvantaged communities to implement their clean water project needs.

This request will also provide economic benefits to the state by creating up to 1,421 jobs during the next four years based on Office of Financial Management estimates.

What are the effects of non-funding?
If this request is not funded, federal capitalization, BIL stimulus, and emerging contaminants funding of up to $214 million

Description

would be lost. Local governments, special purpose districts and federally recognized Tribes throughout the state would not receive low-interest loans to finance local or regional water quality infrastructure projects in their communities. The CWSRF is often the only affordable funding option available to small communities to address failing water quality infrastructure. The jobs, water quality, and public health improvements associated with $614 million in infrastructure and nonpoint source funding would not materialize.

Why is this the best option or alternative?
This request is for continuing support of the CWSRF loan program to help local governments with high-priority water quality projects throughout Washington. Ecology's well established, accountable, and transparent water quality funding program is the best and most effective option available to distribute money for priority water pollution control projects on a statewide, competitive basis. The program considers legal mandates, local efforts, ratepayer impacts, and evolving water quality priorities.

How will clients be affected and services change if this project is funded?
This request will allow public entities to proceed with planning, designing, acquiring, constructing, and improving water pollution control facilities and related nonpoint activities that help achieve state and federal water pollution control requirements. These improvements contribute significantly to protecting public health, restoring water quality statewide and in Puget Sound, creating jobs, and improving economic health.

Focus on Equity
Target Populations and Communities:
(a) The CWSRF benefits people statewide. Eligible fund recipients include county and city governments, federally recognized Tribes, some institutions of higher education, quasi-municipal corporations, and a variety of special purpose districts. These entities use the funds to create environmental benefits for people in their area and in downstream communities.

(b) The overburdened communities this program is intended to benefit include income-constrained communities that would not otherwise have the resources to fund these projects. Small, rural populations often bear the brunt of pollution from activities such as waste disposal or agricultural production. The EPA Environmental Justice (EJ) Screening Tool and Washington Heath Disparities Map show that some of Washington's most rural counties are at the highest risk from untreated wastewater. These rural counties have high percentages of non-English speaking residents, and median household income is far below the state average. In addition, the low resident density means that each household must pay a larger share of community wastewater treatment facility costs.

Community Outreach and Engagement:
(a) Ecology's CWSRF program prioritizes and funds ongoing engagement with the overburdened communities described in (b) above.

1. Ecology's Financial Assistance Council, which advises and guides water quality grants and loans, includes representatives from small communities and Tribes and hosts technical assistance workshops.

2. CWSRF sponsors the Department of Commerce Small Community Initiative (SCI). SCI connects small, income- and expertise-constrained communities to funding and technical assistance and directs their feedback to CWSRF.

3. The CWSRF financial assistance team offers tailored support, filling grant management and engineering gaps, and fostering ongoing relationships with local community staff and Tribes. This assistance contributes to more competitive applications from overburdened communities and empowers them to make informed decisions about all aspects of their projects. For CWSRF staff, this engagement aids program design improvements.

Description

(b) Ecology offers Tribes the same community outreach and engagement strategies described in (a) above. Ecology also requires each project complete a cultural resources review and prioritizes funding for projects that integrate Tribal engagement in all aspects of their project.

Disproportional Impact Considerations:
a.) EPA's data shows that, in Washington State, areas with more low-income, linguistically isolated, or racially diverse residents also have aging infrastructure. This means these communities might face health risks from exposure to harmful chemicals in runoff and may bear a heavier burden of the costs and inconvenience of fixing utility problems.

b.) By improving water quality and restoring natural stream hydrology, this request supports salmon recovery and the fulfillment of Tribal treaty rights. However, the construction of clean water facilities could impact Tribal cultural resources. To mitigate these potential impacts, CWSRF prioritizes funding for projects that include Tribal engagement and directly coordinates cultural resources Tribal consultation on funded projects.

HEAL Act Agencies Supplemental Questions:
See attached.

What is the agency's proposed funding strategy for the project?
The Water Pollution Control Revolving Account (WPCRA) and its dedicated revenue sources support the CWSRF loan program. Dedicated revenue sources include:

- Yearly capitalization, BIL stimulus, and emerging contaminants grants from EPA, authorized by Congress in the federal budget process.

- State match – required under the federal Clean Water Act of 1987 and the BIL passed in 2021, transferred into the fund from the STBCA.

- Principal and interest repayments by loan recipients.

- Interest earned on the fund balance by investments from the Washington State Treasurer.

The CWSRF loan program provides low-interest loans and loan subsidies for high-priority water quality projects. To continue funding projects, Ecology ensures long-term health of the fund by managing the fund in perpetuity. Ecology bases interest rates on a percentage of the annual bond buyers' index, allowing sufficient capital to loan out for future water quality projects.

Ecology holds an annual competitive funding cycle with two cycles each state biennium. In the first funding cycle of each new biennium, Ecology awards funding to all eligible projects that are ready to proceed, within rule limitations, and the remaining funds are used for the second-year funding cycle.

Are FTEs required to support this project?
No capital FTEs are required for this request.

Project Number: 40000625
Project Title: 2025-27 Water Pollution Control Revolving Program

Description

How does the project support the agency and statewide results?
This request is essential to achieving the following Ecology goals:

Goal 1: Support and Engage our Communities, Customers, and Employees because it will support economic security by providing grant and loan subsidies to small, low-income communities to protect public health and keep utility rates reasonable.

Goal 2: Reduce and Prepare for Climate Impacts because it will fund projects that help communities prepare for climate impacts and integrate climate resilience and long-term sustainability practices. For example, reclaimed water and water reuse facilities that help small communities increase stream buffers and native vegetation to help address stream flow dynamics, temperature impacts, carbon sequestration, and improve water quality.

Goal 4: Protect and Manage our State's Waters because it will fund projects for water pollution control infrastructure and projects that reduce nonpoint pollution and nutrient discharges.

This request is essential to achieving the following Governor's Results Washington Goals:

Goal 2: Prosperous Economy because it will provide opportunities for quality jobs when a new wastewater system is constructed, or an existing system is repaired or upgraded. The Office of Financial Management estimates that 12 direct and indirect jobs in Washington are created for every $1 million spent on building clean water infrastructure. The program also helps communities build well-functioning and sustainable clean water infrastructure that supports local economies.

Goal 3: Sustainable Energy and a Clean Environment because it will provide loans for high-priority water quality projects statewide. CWSRF loan projects help local communities protect public health and the environment by reducing pollution of our lakes, rivers, streams, marine waters, estuaries, and groundwater.

Goal 4: Healthy and Safe Communities because it will fund projects that address the impacts of climate change and improve community resilience through support of long-term, multi-benefit solutions to problems caused by water pollution, including excess nutrients and increased temperature. It will also address needs in low-income communities through low- or no-interest loans combined with forgivable principal to reduce residential rate impacts.

Goal 5: Efficient, Effective, and Accountable Government because it will provide one application rating and ranking process to award funds from four separate funding sources, including CWSRF. This creates an efficient and streamlined approach for communities to apply for funding resources through an integrated water quality financial assistance program.

Puget Sound recovery
This request supports several Orca Task Force Recommendations as well as supports the 2022-2026 Puget Sound Action Agenda implementation through Ongoing Program OGP_ECY38 Water Quality - Provide Financial Assistance, and through various Vital Signs, Strategies, Desired Outcomes, and Actions included in the Action Agenda. See attachment B for a complete list of linkages between this request and the agenda.

How will the other state programs or units of government be affected if this project is funded?
Ecology's Water Quality Program coordinates and collaborates with other Ecology programs through a variety of groups, including the Ecology Grants Group, Ecology Cultural Resources Environmental Workgroup, and on a project-by-project

Project Number: 40000625
Project Title: 2025-27 Water Pollution Control Revolving Program

Description

basis where there are cross-program project elements. The Water Quality Program is highly engaged in cross-agency coordination and collaboration through its commitment to the Infrastructure Assistance Coordinating Council, Maximizing Resources workgroup, SCI, and the Sync Infrastructure Improvement Team (Ecology, Health, Commerce, Transportation, Transportation Improvement Board, and Public Works Board).

Many local governments, special purpose districts, and federally recognized Tribes propose important water quality projects that cannot be fully funded with one funding source. This is especially true for small, financially distressed communities. Ecology works with recipients and other state and federal agencies to coordinate funding and technical assistance for water quality infrastructure projects. Together, the agencies collaborate and leverage their funds to meet the financial situation of the community. Many small communities with large-scale projects use multiple funding sources, including the CWSRF, Centennial Clean Water Program, Public Works Assistance Account, Department of Commerce, USDA Rural Development, and the State Tribal Assistance Grant Program. The lack of Public Works Assistance Account funding over the past few years has increased the demand for and importance of CWSRF loan funding for local governments.

Ecology is engaged as a partner with the Public Works Board, Department of Commerce, and Department of Health in an ongoing effort to improve and better collaborate and coordinate state financial assistance for water infrastructure in Washington. This effort, called the Sync System Improvement Team, is focused on identifying and implementing strategies and best practices for improving access to funding programs and improved value, outcomes, cost effectiveness, and sustainability of water infrastructure projects. This work, along with ongoing CWSRF funding, supports improved statewide financial assistance and water quality project outcomes and allows us to better serve small, financially challenged communities that receive CWSRF loan and Centennial grant assistance.

Location
City: Statewide **County:** Statewide **Legislative District:** 098

Project Type
Grants

Grant Recipient Organization: Public entities, local gov'ts, special purpose distr., quasi municipals, federally recognized Tribes.
RCW that establishes grant: Chapter 90.50A RCW
Application process used
Ecology manages an integrated annual funding approach using a joint application, evaluation, and rating and ranking process for the CWSRF, Centennial Clean Water Program, Stormwater Financial Assistance Program, and the Clean Water Act Section 319 federal grant program. The application period begins in August with applications due mid-October. Ecology staff screen, review, and rate and rank the applications from November through December. In early November, the funding application list is available for each fiscal year funding cycle and is provided to the Governor’s office and key Legislators. The evaluation and points are assigned according to an objective rating system that identifies the highest priority water quality needs statewide. In January, Ecology produces a combined draft project list for the Legislature to use during budget considerations. The list becomes final on July 1 or sooner, contingent on capital budget appropriations.

Growth Management impacts
N/A

Funding

	Expenditures	2025-27 Fiscal Period

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/20/2024 2:27PM

Project Number: 40000625
Project Title: 2025-27 Water Pollution Control Revolving Program

Funding

Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
727-1	Water Pollution Cont-State	1,600,000,000				400,000,000
727-2	Water Pollution Cont-Federal	614,000,000				214,000,000
	Total	**2,214,000,000**	**0**	**0**	**0**	**614,000,000**

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
727-1	Water Pollution Cont-State	300,000,000	300,000,000	300,000,000	300,000,000
727-2	Water Pollution Cont-Federal	100,000,000	100,000,000	100,000,000	100,000,000
	Total	**400,000,000**	**400,000,000**	**400,000,000**	**400,000,000**

Operating Impacts

No Operating Impact

Water Pollution Control Revolving Program

Applicant Requirements per RCW 70.235.070 Greenhouse Gas Emissions Reduction

Ecology administers an integrated funding program for projects that improve and protect water quality throughout the state. The program combines grants and loans from state and federal funding sources with technical assistance to program applicants. The Agency has maintained compliance with RCW 70.235.070. The State Fiscal Year 2024 Water Quality Financial Assistance Funding Guidelines *for the https://apps.ecology.wa.gov/publications/SummaryPages/2210016.html Centennial Clean Water Program, Clean Water Act Section 319 Program, Stormwater Financial Assistance Program, and Washington State Water Pollution Control Revolving Fund Program* document (published August 2022) discusses factors for consideration in the competitive solicitation process. Specifically, Ecology has supplemented the rating process with criteria related to applicant and infrastructure project consistency with GHG emissions reduction goals. On the funding request form, applicants are expected to provide examples of measures they are taking to reduce GHG.

The text below is an excerpt from RCW 70.235.070 identifies several measures a grant applicant can take to reduce GHG emissions:

> Requirements of RCW 70.235.070 must be included in the CWSRF and Centennial programs as a factor for consideration as part of the competitive selection process. The integration of GHG consideration should be a factor that influences project selection, but should not overwhelm the underlying goals of the funding programs. Ecology's funding application includes questions related to applicant and project consistency with GHG emissions reduction goals, including asking the applicant to describe how it is meeting requirements of RCW 70.235.070.
>
> Measures *the applicant* can take to reduce GHG emissions include:
>
> - Enacting goals and policies committing to GHG emissions reduction targets.
> - Adopting energy efficiency policies to reduce consumption in buildings and infrastructure.
> - Adopting policies that promote and support the generation and use of alternative energy.
> - Adopting waste reduction and diversion policies such as methane recovery or waste-to-energy programs.
> - Adopting policies to replace or repower existing vehicles with cleaner, more efficient vehicles.
> - Adopting equipment procurement policies that result in reduced consumption of fossil fuels.
> - Implementing commute trip reduction plans and policies that establish reduction goals and strategies to reduce annual per capita vehicle miles travelled by the entity's community or workforce.
> - Adopting policies that preserve forest, agricultural, and open space lands.
> - Adopting comprehensive land use plans or planning policies that promote and support development patterns that encourage compact and transit-friendly communities and protect natural resources lands from conversion.

Examples of how *the project* can be designed or built to reduce GHG emissions include:

- The project site reduces GHG emissions by being located in:
  - Existing developed areas (e.g., high-density areas, urban growth areas, or designated urban centers) where services exist or are planned.
  - Areas where transportation options can be efficiently provided.
  - Areas where conversion of natural resources and rural land is prevented.
  - Areas that promote transportation choices such as transit, bicycle, and pedestrian accessibility.
  - Brownfield redevelopment areas.
  - Other areas that encourage the use of non-single occupancy vehicles and minimize the amount of land to be devoted to the project.

- Methods used to develop, construct, and operate the project reduce the use of fossil fuels (GHG emissions) by:
  - Using high performance sustainable building design, such as the use of green building standards.
  - Using green materials and high-energy efficiency measures.
  - Promoting the use of recycled content materials for building construction.
  - Supporting environmental/ecological footprint improvements (e.g., energy efficiency, water conservation, habitat preservation, green alternatives, waste-to- energy, and lowering surface disturbance).
  - Implementing new technologies, practices, and equipment to lower energy use for operation.
  - Using renewable energy (wind, geothermal, solar, etc.), distributed energy (solar photovoltaic panels), or purchased green power.

Attachment B

Linkages to the Puget Sound Action Agenda

This attachment provides additional supporting details for the following capital project request (CPR) as it relates to the Puget Sound 2022-2026 Action Agenda implementation.

CPR Title: 2025-27 Water Pollution Control Revolving Program

Vital Signs

- Freshwater
- Marine Water
- Streams and Floodplains
- Toxics in Aquatic Life
- Beaches and Marine Vegetation
- Estuaries
- Forests and Wetlands
- Groundfish and Benthic Invertebrates
- Orcas
- Salmon
- Zooplankton
- Drinking Water
- Shellfish Beds
- Cultural Wellbeing
- Economic Vitality
- Good Governance
- Sense of Place
- Sound Stewardship

Strategies

- 7. Freshwater Availability
- 8. Prevent Pollution
- 9. Source Identification and Correction
- 10. Stormwater Runoff and Legacy Contamination
- 11. Wastewater Systems
- 12. Working Lands Runoff
- 19. GHG Reductions and Carbon Sequestration
- 20. Climate Adaptation and Resilience
- 21. Sense of Place
- 22. Recreation and Stewardship
- 23. Transparent and Inclusive Governance
- 24. Cultural Practices
- 26. Human Health

Desired Outcomes

- 1.1. Protect habitat and habitat-forming processes from conversion and fragmentation.
- 1.2.1. Conversion of agricultural lands and working forests to more intensive land uses (residential and commercial development) prevented.
- 1.3.1. Levees, floodgates, tidegates, roads, existing development, and other barriers in floodplains and estuaries removed or their management altered.
- 1.3.2. Armor on estuaries, lakes, and marine shorelines removed or softened.
- 1.4.1. In-stream and riparian areas of rivers and streams restored.
- 1.4.2. Floodplains, tidal wetlands, and estuaries restored.
- 1.5.2. Infiltration and water holding capacity of upland areas (developed lands, agricultural lands and working forests, and natural lands) increased.

- 2.1.1. Toxic hotspots where stormwater runoff or wastewater contain significant concentrations of numerous toxic chemicals reduced through improved source control and/or treatment.
- 2.1.4. Toxics in infrastructure and building materials removed through source control and/or management/remediation.
- 2.2. Reduce nutrients entering Puget Sound and connected waters.
- 2.3.1. Municipal wastewater discharges of disease-causing (pathogenic) bacteria and viruses to Puget Sound meet water quality-based effluent limits.
- 2.3.2. On-site septic systems (OSS) are inventoried, inspected, maintained, and operational.
- 2.3.4. Disease-causing (pathogenic) bacteria and viruses in stormwater runoff from residential and commercial lands reduced.
- 2.3.5. Disease-causing (pathogenic) bacteria and viruses in runoff from agricultural lands reduced.
- 3.2.2. Number of adult and juvenile salmon lost to predation by pinnipeds and predatory fish reduced.
- 4.2.1. Human-caused greenhouse gas emissions in Washington State reduced 95% below 2005 levels by 2050.
- 4.2.2. Carbon sequestered in Puget Sound forests, kelp, soils, and other significant means increased.
- 4.3.1. Increase the resilience of the Puget Sound ecosystem and recovery efforts by adapting to changing climate and ocean conditions when conducting protection and restoration activities.
- 5.1.1. Opportunities for stress reduction and motivation from natural environments for diverse human communities are enhanced.
- 5.1.2. Attachments among all residents to Puget Sound's environments (including natural, biocultural, and anthropogenic places) are acknowledged and respected and recognized as opportunities to achieve the Action Agenda.
- 5.2. Engagement in and trust of Puget Sound environmental and natural resource governance is increased.
- 5.3.1. Opportunities for cultural practices, such as native and spiritual practices and environmentally related social activities, are increased.
- 5.4. Employment and production in natural resources sectors such as fisheries, aquaculture, agriculture, timber, ecosystem restoration, and tourism are made resilient.
- 5.5. Participation in outdoor recreational and stewardship activities is enhanced.
- 5.6.2. Levels and patterns of contaminants in drinking water do not threaten Puget Sound communities or vulnerable populations with adverse health outcomes.
- 5.6.3. Levels and patterns of contamination in fish and shellfish harvested from Puget Sound waters do not threaten the health of Puget Sound communities or vulnerable populations.
- 5.6.4. Levels and patterns of pollutants and biotoxins in surface waters do not threaten the health of Puget Sound communities or vulnerable populations.

Actions

- 3. Conduct watershed-scale planning and land use planning to protect and restore water quality.
- 5. Facilitate the increased use or performance of best management practices to reduce pollutants and the volume of runoff from agricultural lands and working forests.
- 6. Implement agricultural management practices proven to reduce nutrient loads.

- 7. Expand and improve incentives and education for agricultural land users to motivate voluntary actions for reducing fecal pollution.
- 9. Fund, develop, and implement effective local and tribal nations pollution identification and correction (PIC) programs.
- 10. Support watershed cleanup implementation and the development of cleanup plans such as Total Maximum Daily Loads (TMDLs) and other strategies to limit fecal pollution.
- 11. Establish and implement science-based riparian protection, restoration, and management policies that result in a minimum ‘1 Site Potential Tree Height’ forested riparian area standard.
- 12. Increase the number and accelerate implementation of habitat acquisition and restoration projects as prioritized in salmon and watershed recovery plans.
- 20. Prioritize, design, and implement reach-scale restoration and protection projects within a river basin or watershed.
- 24. Implement habitat protection and restoration projects that restore or maintain natural nutrient attenuation functions and sediment processes in watersheds, estuaries, and tidal wetlands.
- 31. Encourage retrofits and restoration through education and incentives.
- 32. Increase local stormwater management capacity (including funding, staffing resources, and management tools and information).
- 35. Develop and implement education and outreach and behavior change campaigns and fund projects to reduce nutrient impacts from residential, stormwater, and agricultural runoff.
- 40. Effectively manage and control fecal pollution and disease-causing bacteria and viruses from small onsite sewage systems (OSS) and larger onsite sewage systems (LOSS).
- 86. Increase number, accessibility, and protections for multi-use and multi-cultural natural spaces (for example, fish and shellfish harvesting, camping, boating, and gardening, etc.). including green spaces and waterways.
- 98. Promote multi-benefit solutions in restoration and protection project development to include considerations for job creation.
- 137. Implement multi-benefit projects and programs that synergistically advance Puget Sound recovery goals and reduce greenhouse gas emissions, increase greenhouse gas sequestration in Puget Sound ecosystems, increase climate adaptation, and promote climate resilience.
- 151. Re-green urban spaces.
- 154. Prevent and reduce combined sewer overflows.
- 155. Extend centralized sewer systems in areas where conditions are not suitable for onsite sewage systems (OSS).
- 156. Fund, develop, and implement programs to address fecal pollution from people experiencing homelessness or with inadequate access to sanitary services.
- 161. Ecosystem recovery processes and decision-making are inclusive of a broader set of committed stakeholders and diverse forms of knowledge.
- 162. Increase capacity for overburdened and historically marginalized communities to engage in environmental decision-making.
- 196. Facilitate the increased use or performance of best management practices, including increasing riparian restoration to reduce stream temperatures.
- 197. Honor tribal nations’ treaty rights, obligations, and inherent sovereign interests when considering implementation of Puget Sound recovery projects and programs. and actively engage with tribal nations to align and incorporate shared goals.
- 200. Limit people’s exposures to harmful water pollution.

- 201. Provide incentives, financial and technical support to local jurisdictions that have prioritized riparian restoration.
- 211. Promote appropriate reclaimed water projects to reduce pollutant loading to Puget Sound.

Ongoing Program - OGP_ECY38 Water Quality - Provide Financial Assistance

Orca Task Force Recommendations

- 1. Significantly increase investment in restoration and acquisition of habitat in areas where Chinook stocks most benefit Southern Resident orcas.
- 2. Immediately fund acquisition and restoration of nearshore habitat to increase the abundance of forage fish for salmon sustenance.
- 31. Reduce stormwater threats and accelerate clean-up toxics harmful to orcas.
- 34. Provide sustainable funding for implementation of all recommendations.
- 41. Collect high-quality nutrient data in watersheds to fill key knowledge gaps of baseline conditions.

2025-27 Biennial Budget HEAL Act Template

Background

HEAL Act requirements

The Healthy Environment for All Act (HEAL Act), Chapter 314, Laws of 2021 (RCW 70A.02) requires that "covered and opt in agencies" must implement the requirements of the HEAL Act. This includes the:

- Department of Ecology
- Department of Agriculture
- Department of Commerce
- Department of Health
- Department of Natural Resources
- Department of Transportation
- Puget Sound Partnership
- Office of the Attorney General

HEAL Act agencies that are considering a significant agency action initiated after July 1, 2023, are required to conduct an environmental justice assessment. RCW 70A.02.010(12) specifies that significant agency actions include:

- The development and adoption of significant legislative rules as defined in RCW 34.05.328.
- The development and adoption of any new grant or loan program that the agency is explicitly authorized or required by statute to implement.
- A capital project, grant, or loan award costing at least $12,000,000.
- A transportation project, grant, or loan costing at least $15,000,000.
- The submission of agency request legislation to the Office of the Governor or OFM.

Under RCW 70A.02.080, beginning on or before July 1, 2023, covered and opt in agencies must, where practicable, take specific actions when making expenditure decisions or developing budget requests to OFM and the Legislature for programs that address or may cause environmental harms or provide environmental benefits. This includes:

- Focus applicable expenditures on creating environmental benefits that are experienced by overburdened communities and vulnerable populations, including reducing or eliminating environmental harms, creating community and population resilience, and improving the quality of life of overburdened communities and vulnerable populations.
- Create opportunities for overburdened communities and vulnerable populations to meaningfully participate in agency expenditure decisions.
- Clearly articulate environmental justice goals and performance metrics to communicate the basis for agency expenditures.
- Establish a goal of directing 40% of grants and expenditures that create environmental benefits to vulnerable populations overburdened communities.

To help OFM understand how HEAL Act agency budget requests meet HEAL Act requirements, covered agencies are required to complete additional questions related to the HEAL Act. These questions are shown below and are in addition to the equity related questions required of all agencies. Covered agencies are asked to complete the following questions and submit them through ABS.

HEAL Act questions

If you answer YES to any of these bullet points, please answer the six additional questions and submit them as an attachment through ABS.

- Is this decision package part of an agency request legislation that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding to support another significant agency action that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding for a program/project/activity that may **provide environmental benefits or reduce, mitigate, or eliminate environmental harms**, (that is not a significant agency action)? Note: This may include decision packages for programs not purposely directed to provide environmental benefits but may have an indirect or unintentional impact.

  ☒ Yes

  ☐ No

If you answer YES to any of the above bullet points, please complete these additional questions.

1. Please describe specific likely or probable environmental harms and/or benefits related to your decision package and the associated health impacts to overburdened communities and vulnerable populations.

   The Environmental Protection Agency's data shows that in Washington state, areas with more low-income, linguistically isolated, or racially diverse residents also have aging infrastructure. This means these communities might face health risks from exposure to harmful chemicals in runoff and may bear a heavier burden of the costs and inconvenience of fixing utility problems.

2. Please describe the estimated percentage and amount of the requested funds that will go towards creating environmental benefits in overburdened communities and vulnerable populations as defined in OFM's the OBC map or as determined by the agency. If applicable, please include your methodology for making this estimate, including project/award lists if available.

   Ecology estimates that $182 M (44%) of the requested funds will go towards creating environmental benefits for overburdened communities and vulnerable populations as defined in OFM's overburdened communities' map.

   Ecology compared the locations of projects previously funded by the CWSRF to the current OFM overburdened communities map and found that 58% of these projects (44% of total funds offered) were located directly within overburdened communities. Ecology expects this percentage to remain steady or increase as efforts to meet the needs of these communities expand in response to the HEAL Act.

   Furthermore, of the projects that are not likely to be constructed directly within an OFM defined area, Ecology estimates that between 70-80% will provide indirect benefits to vulnerable populations due to their proximity upstream of a waterbody that provides habitat for salmon or shellfish populations. This estimate was developed using historical data and the selection criteria outlined in the Water Quality Combined Funding Program Guidelines. The implemented projects will prevent the pollution generated upstream from impacting overburdened and vulnerable communities located downstream.

3. Please describe any potential significant impacts to Indian Tribes' rights and interest in their tribal lands, as well as traditional practices.

   By improving water quality and restoring natural stream hydrology, this request supports salmon recovery and the fulfillment of Tribal treaty rights. However, the construction of clean water facilities could impact Tribal cultural resources. To mitigate these potential impacts, CWSRF prioritizes funding for projects that include Tribal engagement and directly coordinates cultural resources Tribal consultation on funded projects.

4. Describe how your agency engaged with Tribes in developing this proposal, including offers for tribal consultation including timelines, methods for feedback, and mechanisms for Tribes to express concern, opposition, or support., and any direction provided by Tribes through this engagement.

   Ecology offers Tribes the same community outreach and engagement strategies as described in the Focus on Equity section under Community Outreach and Engagement (a). In addition, Ecology requires each project complete a cultural resources review and prioritizes funding from applicants that integrate Tribal engagement in all aspects of their project .

5. If the decision package is part of agency request legislation or supports another significant agency action that is required to complete an environmental justice assessment under RCW 70A.02.010(12), please submit the assessment as an attachment in ABS.

   No

6. If the decision package is part of agency request legislation or constitutes a significant agency action that is required to complete an environmental justice assessment, please describe how your agency used the environmental justice assessment process to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits. If your agency determined that you were unable to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits, please provide a justification for not doing so.

   N/A

OFM

461 - Department of Ecology
Capital Project Request

2025-27 Biennium

*

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/12/2024 9:55AM

Project Number: **40000642**
Project Title: **2025-27 Centennial Clean Water Program**

Description

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 3

Project Summary

This request for $80 million for Ecology's Centennial Clean Water Program will provide grants to public entities to finance the construction of water pollution control facilities and implement nonpoint pollution control activities. Ecology distributes the funds through a statewide competitive rating and ranking process. Grant recipients are public entities that use the funds to address high-priority statewide water quality needs. The work done by public entities using these funds is an integral and essential part of the state's strategy to reduce pollution and protect our marine waters, estuaries, lakes, rivers, and groundwater resources. The Centennial Clean Water Program is a critical program for meeting the clean water needs for small, disadvantaged communities. Related to Puget Sound Action Agenda Implementation. (State Building Construction Account)

Project Description

What is the proposed project?

Ecology is requesting $80 million for the Centennial Clean Water Program (CCWP), which implements water quality projects statewide. Ecology administers the CCWP, providing grants to finance construction of water pollution control facilities in small, financially challenged communities and to plan and implement nonpoint source pollution control activities. Examples of projects funded by the CCWP include:

- Constructing wastewater treatment facilities in financially challenged communities as required by water quality permits and enforcement orders to meet state and federal water quality standards.

- Programs for eliminating failing on-site sewage systems that cause public health hazards and water quality problems.

- Projects that reduce pollution from urban and rural stormwater runoff.

- Implementing agricultural best management practices to reduce pollution impacts to state waters and meet water quality standards.

- Watershed planning and implementation projects to improve and protect marine waters, estuaries, rivers, lakes, and wetlands.

- Protecting groundwater and critical groundwater recharge areas that in turn protect public drinking water sources.

- Public involvement and education as a component of water quality implementation projects.

What opportunity or problem is driving this request?

Washington State continues to face significant challenges to protect and restore water quality and protect public health from water pollution impacts to surface and groundwater. Small, financially challenged communities struggle to update critical water quality infrastructure, financially challenged homeowners struggle to repair and replace costly on-site sewage systems, and resources are scarce for implementing nonpoint pollution abatement best management practices.

Ecology works with local governments, special purpose districts, Tribes, state and federal agencies, and other community partners to ensure financial assistance programs are meeting water quality needs by providing grants that address:

- Aging and new wastewater infrastructure needs of financially distressed communities.

Project Number: 40000642
Project Title: 2025-27 Centennial Clean Water Program

Description

- Water quality cleanup plans required under the federal Clean Water Act.

- Advanced wastewater treatment to meet designated uses of the receiving water.

- Wastewater reclamation and reuse to address sustainability and resilience.

- Stormwater planning.

- Nonpoint pollution from agricultural, forested, and urban areas.

- Failing on-site sewage systems.

CCWP is mandated in Chapter 173–95A WAC, Uses and Limitations of the Centennial Clean Water Program. Ecology awards grant funds only for wastewater treatment facility projects where a community can demonstrate that funding the project through public sewer rates will cause a severe financial hardship to community residents. Ecology will offer grant funds up to a maximum of $5 million per project, based on a percentage of the total eligible project costs and existing residential need.

Ecology directs all other grant funds to high-priority water quality projects that address nonpoint pollution where there is no dedicated rate base to pay for the project and to support on-site sewage system repair and replacement. Nonpoint pollution comes from diffused sources, is generated by every kind of land use, and has no specific regulatory tool (like a permit) to deal with it. It significantly contributes to the degradation of Washington waters, and there are limited resources available to implement on-the-ground solutions. CCWP is one of the few funding programs available to communities to implement best management practices to control nonpoint pollution.

Based on the small community hardship needs ongoing assessment and communication with small community partners with wastewater facility planning, design, and construction needs, Ecology expects the demand for hardship financial assistance in the 2025-27 biennium will be around $513.9 million for 40 communities. Ecology estimates at least half of this amount ($256.9 million) will be eligible for CCWP grant subsidy. Most of the projects identified are small, rural communities with limited rate base and limited financial resources to address expensive sewer infrastructure repairs and improvements. These communities struggle to address their sewer infrastructure needs and will likely need CCWP grant assistance combined with low-interest Clean Water State Revolving Fund (CWSRF) loans.

In addition, based on demand for nonpoint source pollution control projects from past water quality funding lists and support of a statewide on-site-sewage repair and replacement program, there is an ongoing need for an additional $52 million to support these projects. The total estimated biennial CCWP need is $308.9 million, and Ecology is requesting $80 million to fund the highest priority projects in combination with CWSRF resources. (See Attachment A for a summary of the communities and needs identified for the 2025-27 biennium.)

Ecology’s Water Quality Program has administered the CCWP under a well-established, integrated annual funding cycle since 1988, awarding grants on a competitive basis to eligible public bodies for high-priority water quality projects throughout Washington. Proposed projects address point and nonpoint source water pollution control issues. Applications are accepted each year in the fall. Projects are reviewed, rated, and ranked, with a draft list published for public comment and provided to the Legislature in January. The final list with project awards is issued by July, following legislative appropriation of funding.

Project Number: 40000642
Project Title: 2025-27 Centennial Clean Water Program

Description

Eligible project types:

Wastewater facility (grants for qualified hardship eligible communities only):
- Planning, environmental review, design, and construction

- Facilities for wastewater conveyance and treatment

- Combined sewer overflow (CSO) abatement

- Infiltration and inflow (I/I) correction

- Reclaimed water and reuse, including reclaimed water distribution

On-site sewage system:
- Large, on-site sewage systems/community systems (planning, design, and construction)

- Planning, outreach, surveys

- Local grant/loan repair/replacement program

Stormwater activity:
- Stormwater management program plans

- Education and outreach

- Inspection programs

- Stormwater pollutant source control projects

Nonpoint source activity:
- Water quality agricultural best management practices design and implementation

- Irrigation efficiency projects

- Demonstration projects (as approved by Ecology)

- Groundwater/aquifer/source water/wellhead planning and protection

- Lake restoration planning and implementation

- Riparian/wetland restoration planning and implementation

- Public outreach and education

- Total maximum daily load (TMDL) implementation support

- Water quality monitoring

Description

- Watershed planning and implementation

The following is a list of the key statutes, rules, and policies for CCWP:

- Chapter 173-95A WAC, Uses and Limitations of the Centennial Clean Water Program

- Administrative Requirements for Recipients of Ecology Grants and Loans (Yellow Book) July 2023.

- Chapter 173-240 WAC, Submission of Plans and Reports for Construction of Wastewater Facilities

- Chapter 90.46 RCW, Reclaimed Water Use

- RCW 70A.45.070, Distribution of Funds for Infrastructure and Capital Development Projects–Prerequisites

Please see attached applicant requirements for greenhouse gas emissions reduction.

What are the specific benefits of this project?
The CCWP provides funding to local governments and Tribes for wastewater treatment, nonpoint source pollution control, and watershed and estuary management projects that achieve specific environmental and public health benefits, including:

- Eliminating severe public health hazards and environmental degradation.

- Achieving regulatory compliance with a consent decree, compliance order, Total Maximum Daily Loads (TMDLs), or waste load allocation.

- Restoring and protecting designated uses of Washington's waters, such as drinking water, aquatic habitat, and shellfish harvesting.

CCWP is a critical component of the Water Quality Program’s Combined Funding Program:

- CCWP is often the only source of funding subsidy available to small, financially challenged communities to address clean water infrastructure project affordability.

- CCWP funding to address residential hardship for on-site sewage system repair and replacement has been the key factor in the success and expansion of that regional program now serving the entire state.

- Most nonpoint source pollution abatement projects have no local source of funding or rate base support, so CCWP is a critical program for funding nonpoint source projects in communities throughout the state.

In addition to protecting water quality and public health, CCWP assistance provides community economic support and sustainability. CCWP provides direct support to low-income communities, providing economic stability through offsetting residential sewer rate impacts and providing low-income options for repairing and replacing on-site sewage systems.

This request will also provide economic benefits to the state by creating up to 185 jobs during the next four years based on Office of Financial Management estimates.

Description

What are the effects of non-funding?
Water quality and public health statewide would be impacted if these grant dollars are not available to address water quality facilities and activities projects. Small, financially distressed communities throughout the state would not receive CCWP grant funds to help them with constructing water pollution control facilities that protect water quality and public health. Grant funds help keep the costs of these projects affordable to ratepayers in financially distressed communities. Without continued investment, watershed and water quality protection and improvement would be at risk, and past investments in water quality and improvements achieved would slowly lead back to impairments.

CCWP funds are used to provide a required 40% match to secure the annual Clean Water Act Section 319 federal nonpoint grant. Nonpoint source projects funded through the CCWP are used as match. On average, $6.4 million in federal funds would be in jeopardy without the CCWP state match. Job creation (infrastructure construction jobs), economic support, and development (infrastructure capacity) opportunities associated with these projects would not be realized, and residential rate impacts would escalate.

Why is this the best option or alternative?
This request is for grant pass–through funds that will go to local governments, Tribes, and special purpose districts for high-priority water quality projects throughout the state, as mandated in Chapter 70A.135 RCW - Water Pollution Control Facilities Financing. This request is the best option to distribute money for water pollution control projects on an equitable, statewide, competitive basis that considers legal mandates, local efforts, ratepayer impacts, and water quality priorities.

CCWP grant subsidy is often the only option to make wastewater infrastructure projects affordable for many of Washington's small, financially challenged communities. Nonpoint source pollution control projects have no rate base to rely on for funding projects, so CCWP is often the only option to address these water quality priorities.

How will clients be affected and services change if this project is funded?
Funding this request is critical because the demand on all funding sources for financial assistance and the cost of water quality infrastructure projects continue to increase. This request will allow local governments to proceed with planning, designing, acquiring, constructing, and improving water pollution control facilities and related nonpoint activities that contribute to meeting state and federal water pollution control requirements. These improvements contribute significantly to protecting public health and restoring water quality in Puget Sound and statewide and to improving community economic health.

Focus on Equity:
Target Populations and Communities
The Centennial Clean Water Program (CCWP) benefits people statewide. Eligible fund recipients include county and city governments, federally recognized Tribes, some institutions of higher education, quasi-municipal corporations, and a variety of special purpose districts. These entities use the funds to create environmental benefits for people in their area and in downstream communities.

The overburdened communities this program is intended to benefit include income-constrained communities that would not otherwise have the resources to fund these projects. Small, rural populations often bear the brunt of pollution from activities such as waste disposal or agricultural production. The Environmental Protection Agency (EPA) Environmental Justice (EJ) Screening Tool and Washington Heath Disparities Map show that some of Washington's most rural counties are at the highest risk from untreated wastewater. These rural counties have high percentages of non-English speaking residents, and

Description

median household income is far below the state average. In addition, the low resident-density means each household must pay a larger share of community wastewater treatment facility costs.

Community Outreach and Engagement
Ecology's CCWP prioritizes and funds ongoing engagement with the overburdened communities described above. Community outreach and engagement activities include:

1. Ecology's Financial Assistance Council, which advises and guides water quality improvement grants and loans, includes representatives from small communities and Tribes. The council hosts technical assistance workshops.

2. CCWP sponsors the Washington Department of Commerce Small Community Initiative (SCI). SCI connects small, income- and expertise-constrained communities to funding and technical assistance and directs their feedback to CCWP.

3. The CCWP financial assistance team offers tailored support, filling grant management and engineering gaps and fostering ongoing relationships with local community staff and Tribes. This assistance contributes to more competitive applications from overburdened communities and empowers them to make informed decisions about all aspects of their projects. For CCWP staff, this engagement aids program design improvements.

Ecology offers Tribes the same community outreach and engagement strategies described in (a) above. In addition, Ecology requires each project complete a cultural resources review, and we prioritize funding from applicants that integrate Tribal engagement in all aspects of their project.

Disproportional Impact Considerations
EPA's data shows that, in Washington State, areas with more low-income, linguistically isolated, or racially diverse residents also have aging infrastructure. This means these communities might face health risks from exposure to harmful chemicals in runoff and may bear a heavier burden of the costs and inconvenience of fixing utility problems.

By improving water quality and restoring natural stream hydrology, this request will support salmon recovery and fulfillment of Tribal treaty rights. However, constructing clean water facilities could impact Tribal cultural resources. To mitigate these potential impacts, CCWP prioritizes funding for projects that include Tribal engagement and directly coordinates cultural resources Tribal consultation on funded projects.

HEAL Act Agencies Supplemental Questions
See attached.

What is the agency's proposed funding strategy for the project?
Ecology is requesting $80 million from the State Building Construction Account (SBCA) for CCWP grants, consistent with past biennial appropriation requests. CCWP funding historically came from the Water Quality Account (WQA). During the 2009 legislative session, the Legislature consolidated the WQA into the General Fund-State. All revenue and expenditures were removed from the WQA and added to the General Fund-State.

Ecology requests funding this request from the SBCA, since the WQA no longer exists, and Model Toxics Control Capital Account funds are limited based on the June 2024 Hazardous Substance Tax (HST) revenue forecast. SBCA funds have been used by the Legislature to support this program in past biennia.

Description

Please note, if available SBCA funding will not meet CCWP needs, or if there is a desire to add additional funding for CCWP in 2025-27, an alternative to SBCA funding would be the Natural Climate Solutions Account (NCSA), created in RCW 70A.65.270. Moneys in the NCSA can be used to restore and protect estuaries; foster carbon sequestration in forests, agricultural soils, and aquatic lands; promote climate resilience through protecting and planting trees in riparian areas; and create new conservation lands and community forests.

Appropriation from the NCSA would only be eligible to support a portion of CCWP grants awarded each biennium, because only some of the projects funded with CCWP address NCSA eligibilities. Therefore, funding to support this request would, at a minimum, need to come from SBCA or MTCA Capital and NCSA. This is because NCSA would be able to augment SBCA or MTCA Capital funding, but not serve as a replacement fund source.

CCWP is used for match to secure federal funds provided by EPA through the Section 319 Nonpoint Source Grant Program.

Funding for this project includes $20,000 to maintain and update the grant or loan applications in the agency systems.

Are FTEs required to support this project?
No capital FTEs are required for this request.

How does the project support the agency and statewide results?
This request is essential to achieving the following Ecology goals:

Goal 1: Support and Engage our Communities, Customers, and Employees because it will fund projects that help offset disproportionate impacts on low-income communities and financially challenged residents.

Goal 2: Reduce and Prepare for Climate Impacts because it will fund projects that help communities prepare for climate impacts and integrate climate resilience and long-term sustainability practices. For example, reclaimed water and water reuse facilities that help small communities become resilient to water shortages; increasing stream buffers and native vegetation to address stream flow dynamics, temperature impacts, and carbon sequestration; and improving water quality.

Goal 3: Prevent and Reduce Waste, Toxic Threats, and Pollution because providing financial assistance will fund projects for water pollution control infrastructure that address water reclamation and reuse and projects that reduce impacts from nonpoint pollution and nutrient discharges. We award CCWP funds to finance construction of water pollution control facilities in small, financially challenged communities and to plan and implement nonpoint source pollution control activities projects. These projects lead to direct and indirect improvements to water quality; for example, building a new pollution control infrastructure that exceeds permit requirements, implementing nonpoint pollution abatement projects, and repairing and replacing failing on-site sewage systems.

Goal 4: Protect and Manage Our State's Waters by funding projects for water pollution control infrastructure that addresses water reclamation and reuse and projects that reduce impacts from nonpoint pollution and nutrient discharges.

This request is essential to achieving the following Governor's Results Washington Goals:

Goal 2: Prosperous Economy because it will provide opportunities for quality jobs when a new sewer system is constructed, or an existing system is repaired or upgraded. The Office of Financial Management estimates that 12 direct and indirect jobs in Washington are created for every $1 million spent on building clean water infrastructure. It will also provide small community financial assistance for sustainable clean water infrastructure to support local economies and healthy

Description

communities.

Goal 3: Sustainable Energy and a Clean Environment because it will:

- Improve energy and water efficiencies for wastewater and stormwater infrastructure.
- Repair and replace failing on-site sewage systems.
- Implement riparian restoration and protection programs.
- Reduce nonpoint pollution through source control.
- Implement water quality best management practices.

Goal 4: Healthy and Safe Communities because it will fund projects that address the impacts of climate change and improve community resilience through support of long-term, multi-benefit solutions to problems caused by water pollution, including excess nutrients and increased temperature.

Goal 5: Efficient, Effective, and Accountable Government because it will provide one application, rating, and ranking process to award funds from four separate funding sources, including the CCWP. This creates an efficient and streamlined approach for communities to apply for funding resources through an integrated water quality financial assistance program.

Puget Sound recovery
This request supports several Orca Task Force Recommendations as well as supports the 2022-2026 Puget Sound Action Agenda implementation through Ongoing Program OGP_ECY38 Water Quality - Provide Financial Assistance, and through various Vital Signs, Strategies, Desired Outcomes, and Actions included in the Action Agenda. See attachment C for a complete list of linkages between this request and the agenda.

How will the other state programs or units of government be affected if this project is funded?
Ecology's Water Quality Program coordinates and collaborates with most other Ecology programs through a variety of groups, including the Ecology Grants Group and the Ecology Cultural Resources Environmental Workgroup, and on a project-by-project basis where there are cross-program project elements. The Water Quality Program is highly engaged in cross-agency coordination and collaboration through its commitment to the Infrastructure Assistance Coordinating Council, Maximizing Resources workgroup, Small Communities Initiative (SCI), and the Sync Infrastructure Improvement Team (Ecology, Health, Commerce, Transportation, Transportation Improvement Board, and Public Works Board).

Many local governments, special purpose districts, and recognized Tribes propose important water quality projects that cannot be fully funded with one funding source. This is especially true for small, financially distressed communities. Ecology works with recipients and other state and federal agencies to coordinate funding and technical assistance for water quality infrastructure projects. Together, the agencies collaborate and leverage their funds to meet the financial situation of the community. Many small communities with large-scale projects use multiple funding sources, including the CWSRF, Centennial Clean Water Program, Public Works Assistance Account, Department of Commerce, United States Department of Agriculture Rural Development, and the State Tribal Assistance Grant Program. The lack of Public Works Assistance Account funding over the past few years has increased the demand and importance of Centennial grant and CWSRF loan funding for local governments.

Ecology is engaged as a partner with the Public Works Board, Department of Commerce, and Department of Health in an ongoing effort to improve and better collaborate and coordinate state financial assistance for water infrastructure in Washington. This effort, called the Sync Infrastructure System Improvement Team, is focused on identifying and implementing strategies and best practices for improving access to funding programs and improved value, outcomes, cost effectiveness, and sustainability of water infrastructure projects. This work, along with ongoing CWSRF funding, supports improved statewide financial assistance and water quality project outcomes and allows us to better serve small, financially challenged communities that receive CWSRF loan and Centennial grant assistance.

461 - Department of Ecology
Capital Project Request

2025-27 Biennium

*

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/12/2024 9:55AM

Project Number: 40000642
Project Title: 2025-27 Centennial Clean Water Program

Description

Location
City: Statewide **County:** Statewide **Legislative District:** 098

Project Type
Grants

Grant Recipient Organization: Various public bodies
RCW that establishes grant: Chapter 70A.135 RCW
Application process used
Ecology manages an integrated annual funding approach using a joint application, evaluation, and rating and ranking process for the SRF, Centennial Clean Water Program, Stormwater Financial Assistance Program, and the Clean Water Act Section 319 federal grant program. The application period begins in August with applications due mid-October. Ecology staff screen, review, and rate and rank the applications from November through December. The evaluation and points are assigned according to an objective rating system that identifies the highest priority water quality needs statewide. In January, Ecology produces a combined draft project list for the Legislature to use during budget considerations. The list becomes final on July 1 or sooner, contingent on capital budget appropriations. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts
N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	New Approps
057-1	State Bldg Constr-State	400,000,000				80,000,000
	Total	**400,000,000**	**0**	**0**	**0**	**80,000,000**

		Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State	80,000,000	80,000,000	80,000,000	80,000,000
	Total	**80,000,000**	**80,000,000**	**80,000,000**	**80,000,000**

Operating Impacts

No Operating Impact

Washington State Small Community Wastewater, Nonpoint, and Onsite Sewage Financial Assistance Needs in the 2025-27 Biennium

Purpose: This document contains results of Ecology's ongoing clean water needs survey community outreach to capture planned wastewater facility, nonpoint, and onsite sewage projects anticipated to occur in the 2025-27 biennium. This list documents statewide small financially disadvantaged community wastewater needs, as well as projected nonpoint source and onsite sewage project needs, but does not represent actual applications at this time. Applications for funding are expected in the fall of state fiscal years 2025 and 2026.

Community	Project Title	Funded Application	Project Category	Current Phase	Next Phase	Estimated Cost for Current Phase	Estimated Cost for Next Phase(s) During 2023-25 Biennium
Aberdeen, city of	WWTP Influent Screening and Conveyance Improvements	WQC-2021-AberPW-00072	Wastewater Facility	Design	Construction	$795,000	$7,950,000
Aberdeen, city of	Pump Station Improvement Project	WQC-2022-AberPW-00116	Wastewater Facility	Design	Construction	$735,000	$7,350,000
Aberdeen, city of	Wastewater Collection System Improvements-I&I Reduction	WQC-2025-AberPW-00160	Wastewater Facility	Planning	Design	$1,500,000	$7,500,000
Aberdeen, city of	WWTP Primary and Secondary Clarifier Refurbishment	WQC-2025-AberPW-00172	Wastewater Facility	Design	Construction	$500,000	$8,399,000
Aberdeen, city of	WWTP Aeration Basin and Emergency Power System Improvements	WQC-2025-AberPW-00173	Wastewater Facility	Design	Construction	$643,000	$7,548,000
Airway Heights	Wastewater Facilities Plan Update	WQC-2024-CiAiHe-00071	Wastewater Facility	Planning	Design	$166,000	$8,300,000
College Place, city of – Engineering Department	General Sewer Plan Update	WQC-2025-CoPlED-00045	Wastewater Facility	Planning	Design	$75,000	$3,750,000

Community	Project Title	Funded Application	Project Category	Current Phase	Next Phase	Estimated Cost for Current Phase	Estimated Cost for Next Phase(s) During 2023-25 Biennium
Aberdeen, city of	WWTP Primary and Secondary Clarifier Refurbishment	WQC-2025-AberPW-00172	Wastewater Facility	Design	Construction	$500,000	$8,399,000
Aberdeen, city of	WWTP Aeration Basin and Emergency Power System Improvements	WQC-2025-AberPW-00173	Wastewater Facility	Design	Construction	$643,000	$7,548,000
Airway Heights	Wastewater Facilities Plan Update	WQC-2024-CiAiHe-00071	Wastewater Facility	Planning	Design	$166,000	$8,300,000
College Place, city of – Engineering Department	General Sewer Plan Update	WQC-2025-CoPlED-00045	Wastewater Facility	Planning	Design	$75,000	$3,750,000
Aberdeen, city of	WWTP Primary and Secondary Clarifier Refurbishment	WQC-2025-AberPW-00172	Wastewater Facility	Design	Construction	$500,000	$8,399,000
Grandview, city of	Grandview Wastewater Treatment Plant Improvements	WQC-2025-Grandv-00087	Wastewater Facility	Design	Construction	$4,480,000	$35,400,000
Hoquiam, city of	General Sewer and Wastewater Facility Plan Project	WQC-2022-HoquCi-00163	Wastewater Facility	Planning	Design	$666,906	$33,345,317
Hoquiam, city of	Hoquiam Wastewater Pump Station Improvements Project	WQC-2025-HoquCi-00110	Wastewater Facility	Design	Construction	$1,255,000	$7,603,257
Kittitas, city of	General Sewer Plan	WQC-2023-CiKitt-00080	Wastewater Facility	Planning	Design	$194,000	$970,000
Chelan, city of	Lake Chelan Sewer District (LCSD) General Sewer Plan Update	WQC-2025-CiChel-00101	Wastewater Facility	Planning	Design	$160,434	$8,021,700

Community	Project Title	Funded Application	Project Category	Current Phase	Next Phase	Estimated Cost for Current Phase	Estimated Cost for Next Phase(s) During 2023-25 Biennium
Leavenworth	Wastewater Facility and General Sewer Plan, Combined Sewer and Stormwater improvements	WQC-2024-LeavDS-00099	Wastewater Facility	Planning	Design	$472,000	$5,783,600
Liberty Lake Sewer and Water District	Liberty Lake Sewer and Water District Water Reclamation Facility Plan	WQC-2025-LibWSD-00137	Wastewater Facility	Planning	Design	$185,000	$9,250,000
Lummi Tribal Sewer and Water District	Kwina Road MBR Engineering Report	WQC-2024-LuTSWD-00024	Wastewater Facility	Planning	Design	$200,000	$10,000,000
Metaline, town of	Metaline General Sewer Plan	WQC-2025-Metali-00198	Wastewater Facility	Planning	Design	$60,000	$3,534,800
Mossyrock, city of	General Sewer Plan Update / Wastewater Treatment Plant Planning and Upgrade	WQC-2021-CiMoss-00071	Wastewater Facility	Planning	Design	$150,000	$965,000
Newport, city of	Wastewater Master Plan	WQC-2021-Newpor-00151	Wastewater Facility	Design	Construction	$2,413,610	$28,100,000
Oakesdale, town of	Wastewater Facility Plan and Other Requirements [REAPP]	WQC-2021-Oakesd-00052	Wastewater Facility	Planning	Design	$189,000	$9,450,000
Okanogan, city of	Wastewater Facility/General Sewer Plan	WQC-2020-Okanog-00079	Wastewater Facility	Planning	Design	$210,000	$10,500,000
Oroville, city of	City of Oroville General Sewer Plan	WQC-2023-CiOrov-00113	Wastewater Facility	Planning	Design	$355,265	$17,763,250

Community	Project Title	Funded Application	Project Category	Current Phase	Next Phase	Estimated Cost for Current Phase	Estimated Cost for Next Phase(s) During 2023-25 Biennium
Orting, city of - Public Works	City of Orting GSP Update & Cured in Place Pipe Relining	WQC-2025-OrtiPW-00175	Wastewater Facility	Planning	Design	$200,000	$1,200,000
Palouse, city of	Nitrogen Reduction Project Design, Environmental and Land Acquisition	WQC-2025-Palous-00046	Wastewater Facility	Design	Construction	$1,910,000	$19,100,000
Pateros, city of	Wastewater Facility Engineering Report and General Sewer Plan Update	WQC-2021-PateCo-00027	Wastewater Facility	Planning	Design	$192,810	$9,640,500
Quincy city of - Public Works	Quincy MWRF Sewer Plan Update	WQC-2025-QuinPW-00126	Wastewater Facility	Planning	Design	$880,000	$32,250,000
Ritzville, city of	City of Ritzville General Sewer Plan Update	WQC-2023-RitzCi-00104	Wastewater Facility	Planning	Design	$325,000	$16,250,000
Rockford, town of	Wastewater Facility Plan and General Sewer Plan Update	WQC-2024-ToRock-00009	Wastewater Facility	Planning	Design	$307,000	$15,350,000
Roslyn, city of	General Sewer Plan	WQC-2024-CoRosl-00174	Wastewater Facility	Planning	Design	$202,000	$10,100,000
Royal City, city of	Wastewater Facility Plan	WQC-2020-RoyalC-00078	Wastewater Facility	Planning	Design	$150,000	$7,500,000
Selah, city of - Public Works	City of Selah Wastewater Treatment Plant Design	WQC-2025-SelaPW-00121	Wastewater Facility	Design	Construction	$4,860,000	$44,100,000
Sequim, city of	Planning & Design of Aerobic Digester Capacity Upgrades	WQC-2025-SequPW-00168	Wastewater Facility	Planning	Design	$205,000	$10,250,000

Community	Project Title	Funded Application	Project Category	Current Phase	Next Phase	Estimated Cost for Current Phase	Estimated Cost for Next Phase(s) During 2023-25 Biennium
Snoqualmie Pass Utility District	Snoqualmie Pass Phase 3-4 MBR WWTP Improvements Eng. & Constr Services	WQC-2023-SnPaUd-00098	Wastewater Facility	Design	Construction	$1,570,000	$5,000,000
Spangle, town of	Spangle Facilities Plan	WQC-2024-Spangl-00168	Wastewater Facility	Planning	Design	$70,696	$3,534,800
Springdale, town of	Facilities Plan	WQC-2022-ToSpri-00120	Wastewater Facility	Planning	Design	$75,000	$3,750,000
Tekoa, city of	Wastewater Treatment Plant Facilities Plan	WQC-2023-CiTeko-00135	Wastewater Facility	Planning	Design	$150,000	$7,500,000
Toppenish, city of - Public Works Department	Solids Treatment Facilities Improvements Design	WQC-2025-Toppen-00115	Wastewater Facility	Design	Construction	$1,453,000	$14,530,000
Vader, city of	City of Vader Wastewater Effluent Diffuser & Lift Station Planning	WQC-2024-Vaderc-00169	Wastewater Facility	Design	Construction	$120,000	$1,200,000
Wapato, city of	Facility Plan Amendment No. 2 – Metals Removal Study	WQC-2022-Wapato-00039	Wastewater Facility	Planning	Design	$113,000	$5,650,000
Whatcom County Water District #13	Wastewater Planning	WQC-2024-WhCoWD-00190	Wastewater Facility	Planning	Design	$245,000	$12,250,000
Winlock, city of	Winlock WWTP Dewatering and I&I Improvements	WQC-2025-Winloc-00102	Wastewater Facility	Design	Construction	$220,980	$2,209,800

Total Hardship Need							**$513,892,524**
Estimated Hardship Centennial Grant Eligibility (half of total need)							**$256,946,262**
Statewide Need	Implement nonpoint source pollution mitigation and riparian restoration	N/A	Nonpoint Source Activity	Implementation	Implementation	N/A	$36,999,445
Statewide Need	Onsite sewage systems, including support for the statewide Regional On-Site Sewage System Loan Program	N/A	Onsite Sewage System	Implementation	Implementation	N/A	$15,000,000
Total Estimated Centennial Need for 2025-27							**$308,945,707**

Attachment B
Centennial Clean Water Program
Applicant Requirements per RCW 70.235.070 Greenhouse Gas Emissions Reduction

Ecology administers an integrated funding program for projects that improve and protect water quality throughout the state. The program combines grants and loans from state and federal funding sources with technical assistance to program applicants. The Agency has maintained compliance with RCW 70.235.070. The State Fiscal Year 2024 Water Quality Financial Assistance Funding Guidelines https://apps.ecology.wa.gov/publications/SummaryPages/2210016.html *for the Centennial Clean Water Program, Clean Water Act Section 319 Program, Stormwater Financial Assistance Program, and Washington State Water Pollution Control Revolving Fund Program* document (published August 2022) discusses factors for consideration in the competitive solicitation process. Specifically, Ecology has supplemented the rating process with criteria related to applicant and infrastructure project consistency with GHG emissions reduction goals. On the funding request form, applicants are expected to provide examples of measures they are taking to reduce GHG.

The text below is an excerpt from RCW 70.235.070 identifies several measures a grant applicant can take to reduce GHG emissions:

> Requirements of RCW 70.235.070 must be included in the CWSRF and Centennial programs as a factor for consideration as part of the competitive selection process. The integration of GHG consideration should be a factor that influences project selection, but should not overwhelm the underlying goals of the funding programs. Ecology's funding application includes questions related to applicant and project consistency with GHG emissions reduction goals, including asking the applicant to describe how it is meeting requirements of RCW 70.235.070.
>
> Measures *the applicant* can take to reduce GHG emissions include:
> - Enacting goals and policies committing to GHG emissions reduction targets.
> - Adopting energy efficiency policies to reduce consumption in buildings and infrastructure.
> - Adopting policies that promote and support the generation and use of alternative energy.
> - Adopting waste reduction and diversion policies such as methane recovery or waste-to-energy programs.
> - Adopting policies to replace or repower existing vehicles with cleaner, more efficient vehicles.
> - Adopting equipment procurement policies that result in reduced consumption of fossil fuels.
> - Implementing commute trip reduction plans and policies that establish reduction goals and strategies to reduce annual per capita vehicle miles travelled by the entity's community or workforce.
> - Adopting policies that preserve forest, agricultural, and open space lands.
> - Adopting comprehensive land use plans or planning policies that promote and support development patterns that encourage compact and transit-friendly communities and protect natural resources lands from conversion.

Examples of how *the project* can be designed or built to reduce GHG emissions include:

- The project site reduces GHG emissions by being located in:
  - Existing developed areas (e.g., high-density areas, urban growth areas, or designated urban centers) where services exist or are planned.
  - Areas where transportation options can be efficiently provided.
  - Areas where conversion of natural resources and rural land is prevented.
  - Areas that promote transportation choices such as transit, bicycle, and pedestrian accessibility.
  - Brownfield redevelopment areas.
  - Other areas that encourage the use of non-single occupancy vehicles and minimize the amount of land to be devoted to the project.

- Methods used to develop, construct, and operate the project reduce the use of fossil fuels (GHG emissions) by:
  - Using high performance sustainable building design, such as the use of green building standards.
  - Using green materials and high-energy efficiency measures.
  - Promoting the use of recycled content materials for building construction.
  - Supporting environmental/ecological footprint improvements (e.g., energy efficiency, water conservation, habitat preservation, green alternatives, waste-to- energy, and lowering surface disturbance).
  - Implementing new technologies, practices, and equipment to lower energy use for operation.
  - Using renewable energy (wind, geothermal, solar, etc.), distributed energy (solar photovoltaic panels), or purchased green power.

Attachment C

Linkages to the Puget Sound Action Agenda

This attachment provides additional supporting details for the following capital project request (CPR) as it relates to the Puget Sound 2022-2026 Action Agenda implementation.

CPR Title: 2025-27 Centennial Clean Water Program

Vital Signs

- Freshwater
- Marine Water
- Streams and Floodplains
- Toxics in Aquatic Life
- Beaches and Marine Vegetation
- Estuaries
- Forests and Wetlands
- Groundfish and Benthic Invertebrates
- Orcas
- Salmon
- Zooplankton
- Drinking Water
- Shellfish Beds
- Cultural Wellbeing
- Economic Vitality
- Good Governance
- Sense of Place
- Sound Stewardship

Strategies

- 4. Riparian Areas
- 5. Floodplains and Estuaries
- 7. Freshwater Availability
- 8. Prevent Pollution
- 9. Source Identification and Correction
- 10. Stormwater Runoff and Legacy Contamination
- 11. Wastewater Systems
- 12. Working Lands Runoff
- 19. GHG Reductions and Carbon Sequestration
- 20. Climate Adaptation and Resilience
- 21. Sense of Place
- 22. Recreation and Stewardship
- 23. Transparent and Inclusive Governance
- 24. Cultural Practices
- 26. Human Health

Desired Outcomes

- 1.1. Protect habitat and habitat-forming processes from conversion and fragmentation.
- 1.2.1. Conversion of agricultural lands and working forests to more intensive land uses (residential and commercial development) prevented.
- 1.3.1. Levees, floodgates, tide gates, roads, existing development, and other barriers in floodplains and estuaries removed or their management altered.
- 1.3.2. Armor on estuaries, lakes, and marine shorelines removed or softened.
- 1.4.1. In-stream and riparian areas of rivers and streams restored.
- 1.4.2. Floodplains, tidal wetlands, and estuaries restored.
- 1.5.2. Infiltration and water holding capacity of upland areas (developed lands, agricultural lands and working forests, and natural lands) increased.

- 2.1.1. Toxic hotspots where stormwater runoff or wastewater contain significant concentrations of numerous toxic chemicals reduced through improved source control and/or treatment.
- 2.2. Reduce nutrients entering Puget Sound and connected waters.
- 2.3.1. Municipal wastewater discharges of disease-causing (pathogenic) bacteria and viruses to Puget Sound meet water quality-based effluent limits.
- 2.3.2. On-site septic systems (OSS) are inventoried, inspected, maintained, and operational.
- 2.3.5. Disease-causing (pathogenic) bacteria and viruses in runoff from agricultural lands reduced.
- 3.2.2. Number of adult and juvenile salmon lost to predation by pinnipeds and predatory fish reduced.
- 4.2.1. Human-caused greenhouse gas emissions in Washington State reduced 95% below 2005 levels by 2050.
- 4.3.1. Increase the resilience of the Puget Sound ecosystem and recovery efforts by adapting to changing climate and ocean conditions when conducting protection and restoration activities.
- 5.1.1. Opportunities for stress reduction and motivation from natural environments for diverse human communities are enhanced.
- 5.1.2. Attachments among all residents to Puget Sound's environments (including natural, biocultural, and anthropogenic places) are acknowledged and respected and recognized as opportunities to achieve the Action Agenda.
- 5.2.3. Transparency in environmental and natural resource management decision making and the use of science is improved.
- 5.2.4. Trust is increased by including and communicating directly and effectively with new and diverse audiences.
- 5.4.2. Innovative techniques that promote a healthy natural environment and achieve growth in natural resources industries are encouraged.
- 5.6.2. Levels and patterns of contaminants in drinking water do not threaten Puget Sound communities or vulnerable populations with adverse health outcomes.
- 5.6.3. Levels and patterns of contamination in fish and shellfish harvested from Puget Sound waters do not threaten the health of Puget Sound communities or vulnerable populations.
- 5.6.4. Levels and patterns of pollutants and biotoxins in surface waters do not threaten the health of Puget Sound communities or vulnerable populations.

Actions

- 3. Conduct watershed-scale planning and land use planning to protect and restore water quality.
- 4. Support the long-term viability and sustainability of agricultural lands and working forests to reduce pressure for conversion from the current use to a more developed use.
- 5. Facilitate the increased use or performance of best management practices to reduce pollutants and the volume of runoff from agricultural lands and working forests.
- 6. Implement agricultural management practices proven to reduce nutrient loads.
- 7. Expand and improve incentives and education for agricultural land users to motivate voluntary actions for reducing fecal pollution.
- 9. Fund, develop. and implement effective local and tribal nations pollution identification and correction (PIC) programs.
- 10. Support watershed cleanup implementation and the development of cleanup plans such as Total Maximum Daily Loads (TMDLs) and other strategies to limit fecal pollution.

- 11. Establish and implement science-based riparian protection, restoration. and management policies that result in a minimum ‘1 Site Potential Tree Height’ forested riparian area standard.
- 12. Increase the number and accelerate implementation of habitat acquisition and restoration projects as prioritized in salmon and watershed recovery plans.
- 20. Prioritize, design, and implement reach-scale restoration and protection projects within a river basin or watershed.
- 24. Implement habitat protection and restoration projects that restore or maintain natural nutrient attenuation functions and sediment processes in watersheds, estuaries, and tidal wetlands.
- 31. Encourage retrofits and restoration through education and incentives.
- 35. Develop and implement education and outreach and behavior change campaigns and fund projects to reduce nutrient impacts from residential, stormwater, and agricultural runoff.
- 40. Effectively manage and control fecal pollution and disease-causing bacteria and viruses from small onsite sewage systems (OSS) and larger onsite sewage systems (LOSS).
- 63. Support fishers, hikers, and other recreational users through outreach and education to understand and reduce the effects of human and pet waste on water quality.
- 86. Increase number, accessibility, and protections for multi-use and multi-cultural natural spaces (for example, fish and shellfish harvesting, camping, boating, and gardening, etc.). including green spaces and waterways.
- 98. Promote multi-benefit solutions in restoration and protection project development to include considerations for job creation.
- 137. Implement multi-benefit projects and programs that synergistically advance Puget Sound recovery goals and reduce greenhouse gas emissions, increase greenhouse gas sequestration in Puget Sound ecosystems, increase climate adaptation, and promote climate resilience.
- 151. Re-green urban spaces.
- 154. Prevent and reduce combined sewer overflows.
- 155. Extend centralized sewer systems in areas where conditions are not suitable for onsite sewage systems (OSS).
- 156. Fund, develop, and implement programs to address fecal pollution from people experiencing homelessness or with inadequate access to sanitary services.
- 161. Ecosystem recovery processes and decision-making are inclusive of a broader set of committed stakeholders and diverse forms of knowledge.
- 162. Increase capacity for overburdened and historically marginalized communities to engage in environmental decision-making.
- 196. Facilitate the increased use or performance of best management practices, including increasing riparian restoration. to reduce stream temperatures.
- 197. Honor tribal nations’ treaty rights, obligations, and inherent sovereign interests when considering implementation of Puget Sound recovery projects and programs. and actively engage with tribal nations to align and incorporate shared goals.
- 200. Limit people’s exposures to harmful water pollution.
- 201. Provide incentives. financial and technical support to local jurisdictions that have prioritized riparian restoration.
- 211. Promote appropriate reclaimed water projects to reduce pollutant loading to Puget Sound.

Ongoing Program - OGP_ECY38 Water Quality - Provide Financial Assistance

Orca Task Force Recommendations

- 1. Significantly increase investment in restoration and acquisition of habitat in areas where Chinook stocks most benefit Southern Resident orcas.
- 2. Immediately fund acquisition and restoration of nearshore habitat to increase the abundance of forage fish for salmon sustenance.
- 34. Provide sustainable funding for implementation of all recommendations.
- 41. Collect high-quality nutrient data in watersheds to fill key knowledge gaps of baseline conditions.

2025-27 Biennial Budget HEAL Act Template

Background

HEAL Act requirements

The Healthy Environment for All Act (HEAL Act), Chapter 314, Laws of 2021 (RCW 70A.02) requires that "covered and opt in agencies" must implement the requirements of the HEAL Act. This includes the:

- Department of Ecology
- Department of Agriculture
- Department of Commerce
- Department of Health
- Department of Natural Resources
- Department of Transportation
- Puget Sound Partnership
- Office of the Attorney General

HEAL Act agencies that are considering a significant agency action initiated after July 1, 2023, are required to conduct an environmental justice assessment. RCW 70A.02.010(12) specifies that significant agency actions include:

- The development and adoption of significant legislative rules as defined in RCW 34.05.328.
- The development and adoption of any new grant or loan program that the agency is explicitly authorized or required by statute to implement.
- A capital project, grant, or loan award costing at least $12,000,000.
- A transportation project, grant, or loan costing at least $15,000,000.
- The submission of agency request legislation to the Office of the Governor or OFM.

Under RCW 70A.02.080, beginning on or before July 1, 2023, covered and opt in agencies must, where practicable, take specific actions when making expenditure decisions or developing budget requests to OFM and the Legislature for programs that address or may cause environmental harms or provide environmental benefits. This includes:

- Focus applicable expenditures on creating environmental benefits that are experienced by overburdened communities and vulnerable populations, including reducing or eliminating environmental harms, creating community and population resilience, and improving the quality of life of overburdened communities and vulnerable populations.
- Create opportunities for overburdened communities and vulnerable populations to meaningfully participate in agency expenditure decisions.
- Clearly articulate environmental justice goals and performance metrics to communicate the basis for agency expenditures.
- Establish a goal of directing 40% of grants and expenditures that create environmental benefits to vulnerable populations overburdened communities.

To help OFM understand how HEAL Act agency budget requests meet HEAL Act requirements, covered agencies are required to complete additional questions related to the HEAL Act. These questions are shown below and are in addition to the equity related questions required of all agencies. Covered agencies are asked to complete the following questions and submit them through ABS.

HEAL Act questions

If you answer YES to any of these bullet points, please answer the six additional questions and submit them as an attachment through ABS.

- Is this decision package part of an agency request legislation that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding to support another significant agency action that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding for a program/project/activity that may **provide environmental benefits or reduce, mitigate, or eliminate environmental harms**, (that is not a significant agency action)? Note: This may include decision packages for programs not purposely directed to provide environmental benefits but may have an indirect or unintentional impact.

  ☒ Yes

  ☐ No

If you answer YES to any of the above bullet points, please complete these additional questions.

1. Please describe specific likely or probable environmental harms and/or benefits related to your decision package and the associated health impacts to overburdened communities and vulnerable populations.

   The Environmental Protection Agency's data shows that in Washington state, areas with more low-income, linguistically isolated, or racially diverse residents also have aging infrastructure. This means these communities might face health risks from exposure to harmful chemicals in runoff and may bear a heavier burden of the costs and inconvenience of fixing utility problems.

2. Please describe the estimated percentage and amount of the requested funds that will go towards creating environmental benefits in overburdened communities and vulnerable populations as defined in OFM's the OBC map or as determined by the agency. If applicable, please include your methodology for making this estimate, including project/award lists if available.

   Ecology estimates that $35 M (44%) of the requested funds will go towards creating environmental benefits for overburdened communities and vulnerable populations as defined in OFM's overburdened communities' map.

   Ecology compared the locations of projects previously funded by the Centennial Clean Water Fund to the current OFM overburdened communities map and found that 40% of these projects (44% of total funds offered) were located directly within overburdened communities. Ecology expects this percentage to increase in response to the recent removal of barriers such as match requirements for nonpoint projects and expended outreach efforts to these communities in response to the HEAL Act.

   Furthermore, of the projects that are not likely to be constructed directly within an OFM defined area, Ecology estimates that between 95 and 100% will provide indirect benefits to vulnerable populations due to their proximity upstream of a waterbody that provides habitat for salmon or shellfish populations. This estimate was developed using historical data and the selection criteria outlined in the Water Quality Combined Funding Program Guidelines. The implemented projects will prevent the pollution generated upstream from impacting overburdened and vulnerable communities located downstream.

3. Please describe any potential significant impacts to Indian Tribes' rights and interest in their tribal lands, as well as traditional practices.

   By improving water quality and restoring natural stream hydrology, this request supports salmon recovery and the fulfillment of Tribal treaty rights. However, the construction of clean water facilities could impact Tribal cultural resources. To mitigate these potential impacts, CCWP prioritizes funding for projects that include Tribal engagement and directly coordinates cultural resources Tribal consultation on funded projects.

4. Describe how your agency engaged with Tribes in developing this proposal, including offers for tribal consultation including timelines, methods for feedback, and mechanisms for Tribes to express concern, opposition, or support., and any direction provided by Tribes through this engagement.

   Ecology offers Tribes the same community outreach and engagement strategies as described in the Focus on Equity section under Community Outreach and Engagement (a). In addition, Ecology requires each project complete a cultural resources review and prioritizes funding from applicants that integrate Tribal engagement in all aspects of their project .

5. If the decision package is part of agency request legislation or supports another significant agency action that is required to complete an environmental justice assessment under RCW 70A.02.010(12), please submit the assessment as an attachment in ABS.

   No

6. If the decision package is part of agency request legislation or constitutes a significant agency action that is required to complete an environmental justice assessment, please describe how your agency used the environmental justice assessment process to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits. If your agency determined that you were unable to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits, please provide a justification for not doing so.

   N/A

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OFM

461 - Department of Ecology
Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/1/2024 10:14AM

Project Number: 40000660
Project Title: 2025-27 Floodplains by Design

Description

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 5

Project Summary

According to Washington's 2018 Hazard Inventory and Vulnerability Assessment (https://www.insurance.wa.gov/sites/default/files/2019-10/2018-hazard-inventory-vulnerability-assessment.pdf), "the costs of flood damages exceed the cost of all other natural hazards." Since 1980, flooding has caused more than $2 billion in damages to the state, with highly populated areas in Western Washington severely impacted. In the past, solutions to flooding problems were often out of sync with other ecosystem protection or restoration activities. The Floodplains by Design (FbD) grant program uses an integrated approach to manage our state's flood-prone areas. FbD grants provide funding that combines flood-hazard reduction actions with salmon recovery, habitat restoration, and other community benefits. This program is a public-private partnership between Ecology, Bonneville Environmental Foundation, and Puget Sound Partnership. This request is directly related to implementing the Governor's Salmon Strategy and Puget Sound Action Agenda. (State Building Construction Account)

Project Description

What is the proposed project?

Ecology is requesting $84 million from the State Building Construction Account to continue flood-hazard reduction efforts addressed by the Floodplains by Design (FbD) grant program. Since the 2013-15 biennium, the state has appropriated $283 million to fund the FbD program, which has paid for 62 floodplain restoration and flood-hazard reduction projects across the state. These projects restore natural floodplain conditions by preserving floodplain open space, correcting problems created due to past actions to try and control floods, improving long-term flood resilience, reducing flood risks to infrastructure and development, and improving habitat conditions for salmon and other fish and wildlife species.

These competitive grants have funded a range of activities, including land acquisitions, constructing setback levees, removing levees, restoring streams, correcting fish passage barriers, and removing existing developments within floodplains. As of 2024, FbD funded projects have reduced (or are projected to reduce) flood hazards in 85 communities, reconnected more than 11,374 acres of floodplains, restored or protected habitat along 132 miles of river, reduced flood risk for over 8,482 homes or structures, and protected over 20,367 acres of working lands.

The Riverbend Reach Construction, Phase 1 project along the Cedar River in King County, initially funded in the 2017-19 biennium and completed in 2023, removed more than 100 mobile homes from the flood hazard area and reconnected the river to the floodplain, increasing storage and capacity and restoring salmon habitat. The county hired and stationed a relocation consultant and an interpreter at the site, where they worked with each tenant individually, consistent with the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970. Over the course of three years, the relocation consultant helped each family understand what relocation benefits they were eligible for (such as closing costs and/or moving costs and compensation for the value of their mobile home or recreational vehicle) and provided assistance to each tenant with the action of relocating. As a result of this project, adjacent areas upstream and downstream will benefit from reduced peak flood flows and reduced channel migration.

FbD complements and works in concert with other floodplain initiatives to reduce flood hazards and improve ecosystem functions. Due to this partnership program, local communities have been able to reduce, and in some cases eliminate, their flood hazards. At the same time, communities are improving salmon habitat, water quality, and recreational opportunities and promoting economic development.

Project Solicitation

In November of odd-numbered years, Ecology sends out a request for proposals to potential grant recipients, including local and Tribal governments, public benefit non-profit organizations, ports, and flood and conservation districts. Ecology asks for

Description

preliminary proposals that describe how projects would meet FbD criteria for flood hazard risk reduction coupled with floodplain ecosystem protection and restoration and include cost estimates.

Subsequently, in February of even-numbered years, Ecology invites potential applicants whose preliminary proposals were determined to meet the review criteria to give presentations about their proposed projects and submit full grant applications. Our FbD evaluation criteria for the full grant applications include how well a project addresses the following:

- Actions that reduce flood hazards and flood risks.

- Prospects for restoring a floodplain's ecosystem.

- Support for agricultural viability (if a project will potentially impact agricultural lands.)

- Ability to improve water quality.

- Opportunities for public access and recreation.

- Cost effectiveness, long-term cost avoidance, and opportunities for leveraging other funding sources with FbD grant funding.

- Demonstration of need and support.

- Readiness to proceed.

- Social justice and equity issues.

For the 2025-27 funding cycle, Ecology invited 17 different entities to submit full grant applications for 18 potential FbD projects, valued at approximately $153 million. Of those, 17 entities submitted full applications for 17 projects totaling just over $142 million in requested funds. An evaluation team including staff from Ecology, Bonneville Environmental Foundation, and representatives from other state agencies and Tribes scored and ranked the applications. Based on applications submitted and final prioritization, ten of these projects are identified for funding, totaling $84 million (including staff support noted below).

This request includes $2.52 million, representing 3% of total funding, to continue necessary staffing for program and project management, program improvement, and financial accountability over the lifetime of all projects. The average FbD project lasts five years, but FbD guidelines require applications to show a four-year timeline. If sufficient progress is being made, an extension into years five-six is generally supported.

What opportunity or problem is driving this request?
Before the Legislature created the FbD grant program in the 2013-15 capital budget, there was no comprehensive funding to support flood-risk reduction efforts. During most biennia, the Legislature would appropriate several million dollars for specific flood projects. Most funding was earmarked for making major levee improvements to protect urban areas on the Green and Skagit rivers. There were no funding opportunities for multi-benefit floodplain management projects, which are essential for meeting Puget Sound Action Agenda objectives and reducing flood hazards across the state.

Since 2013, the FbD grant program has funded proof-of-concept projects in major river basins around Puget Sound. Ecology has also invested in smaller versions of projects across the state. All FbD projects follow the multiple benefits approach for

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reducing flood risks and improving the floodplain ecosystem with projects that help reduce floodwater depths, prevent river avulsions, and reduce or remove structures vulnerable to flooding.

Local stakeholder involvement and support are central to this process. Growth and development have put increasing pressure on floodplains throughout the state, which has, in turn, escalated the costs of flood-related damages. At the same time, efforts to recover salmon and improve water quality often conflict with traditional flood mitigation remedies. A multi-benefit approach helps alleviate these conflicts.

For example, a multi-phase FbD project in the Yakima River Basin seeks to reduce future flood loss by removing vulnerable homes and setting back underperforming levees that pose a risk to residential communities and transportation routes. This large-scale project will also improve sediment transportation and endangered salmonid habitat while enhancing water supply for agricultural irrigation. The project is led by Yakima County in partnership with the Washington State Department of Transportation, U.S. Army Corps of Engineers, U.S. Fish and Wildlife Service, and local jurisdictions.

Another exemplary project in the Snohomish River watershed reduces flood risk, restores endangered salmonid habitat, and preserves farmland by purchasing and relocating flood-vulnerable properties out of harm's way to create space for integrated projects that restore floodplain functions and conserve agricultural uses. The Snohomish project is guided by an integrated team of stakeholders, Tribes, and community members that represent the multiple needs and interests across the watershed. These are the types of multi-benefit FbD projects in which Ecology will invest new capital funding.

Ecology reviews the FbD grant program on an ongoing basis, including staffing levels, grant management processes and procedures, and spending rates. Ahead of each funding cycle, we also evaluate our scoring system, guidelines, application procedures, and timelines. As a result, we make changes each biennium to expedite project completion and ensure compliance with updated regulations. Our goal is to lower the need for reappropriated funds. We only consider proposals that outline a project completion schedule within four years.

Under a 2018 supplemental capital budget proviso, Ecology was directed to study potential authorizing actions for the FbD program. This included assessing the statewide need for projects and funding levels, potential statutory action, and gathering broad stakeholder input. The final report was delivered to the Legislature in February 2019 (Floodplains by Design: Report to the Legislature: https://apps.ecology.wa.gov/publications/SummaryPages/1906004.html).

What are the specific benefits of this project?
All of these multi-benefit floodplain projects help reduce flood hazards and improve in-stream and riparian habitat for salmon and other species. Many of the projects also protect working lands and deliver other benefits that are priorities, such as improving access to recreation for the local communities that design and sponsor the projects.

The FbD program lowers long-term costs by creating a more resilient approach for reducing flood hazards and repeated flood damage losses. Preventing and mitigating flood hazards has a return of $5 to $8 for every $1 invested (National Institute of Building Sciences, Natural Hazards Mitigation Saves 2019 Report): https://www.nibs.org/reports/natural-hazard-mitigation-saves-2019-report).

This request will also provide economic benefits to the state by creating up to 224 jobs during the next four years, based on Office of Financial Management estimates.

What are the effects of non-funding?
If this request is not funded, new, state-funded, multi-benefit flood hazard reduction projects would not proceed, leaving

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communities vulnerable to flood hazards. Because no alternative funding source exists for this work, this concept and approach for reducing flood hazards and providing ecosystem benefits would likely cease in Washington. In its place, communities would return to more traditional, narrowly focused flood control practices, such as levees, that conflict with efforts to recover Puget Sound and threatened salmon. State river systems, especially those in Western Washington, could experience sediment loading that would push rivers out of their current beds, causing adverse effects on nearby communities. Floods would likely occur more frequently and cause greater damage. The FbD program also helps meet the Puget Sound Action Agenda's goal of restoring 15% of Puget Sound floodplains.

The Nature Conservancy conducted an informal poll of floodplain experts, including those in King, Pierce, and Yakima counties, and estimated local governments have at least $2 billion in need during the next 20 years. In 2017, we shared this estimate with the Legislature. In 2023, FbD's partners carried out a FEMA (Federal Emergency Management Agency)-funded assessment of opportunities and needs for completing critically needed nature-based flood hazard mitigation actions across Washington communities. As of December 2023, over $400 million in needs were documented over the next four-plus years across 11 communities. This only represents communities that actively engaged in the assessment, and the overall need is in fact much higher. These findings demonstrate that sustained funding of integrated floodplain projects and planning through the FbD program remains vital for addressing hazard vulnerabilities statewide.

The number of submitted projects over the years, as well as polling data from floodplain managers, continues to demonstrate the demand for FbD grant funding. In addition to the nine 2013-15 proviso projects, we have received and funded the following each biennium:

- In 2013-15, we received 22 applications and funded 13 projects.

- In 2015-17, we received 22 applications and funded seven projects.

- In 2017-19, we received 29 applications and funded seven projects.

- In 2019-21, we received 20 applications and funded 10 projects.

- In 2021-23, we received 20 applications and funded eight projects.

- In 2023-25, we received 19 applications and funded 11 projects.

Why is this the best option or alternative?
No other state program exists to achieve the scale of work needed to protect and restore Washington's floodplains. This nimble, collaborative approach ensures the ability to better meet the needs of local communities and allows for adjustment when new information is received. Continuing floodplain management projects on a piecemeal basis and/or viewing them through site-specific lenses only can exacerbate flood hazards, both locally and for neighboring communities.

These approaches also fail to integrate other ecosystem actions taken by Ecology and other state agencies. Local communities often do not have sufficient resources to plan or manage game-changing flood risk reduction actions, such as levee setbacks, on their own. Relying on local resources puts a burden on economically disadvantaged communities that cannot support significant investments in floodplain management.

How will clients be affected and services change if this project is funded?
By continuing this grant program, Ecology will provide ongoing assistance to our local and Tribal government partners to help

Description

them reduce flood risks and improve the environmental functions and economic benefits floodplains provide.

Focus on Equity:
Target Populations and Communities
This request benefits communities across Washington that face risk from flood hazards and degraded watershed environments. Flooding is the most frequent and costly natural hazard in Washington, and an estimated two million people statewide live in high flood hazard The FbD program supports communities and Tribes to develop and implement projects that integrate flood hazard risk reduction, ecosystem restoration, and working lands enhancement objectives.

Addressing flood risk in Washington's most vulnerable communities is a priority for the FbD program. FbD solicits projects from communities statewide and has made recent changes to reduce administrative barriers for projects impacting Tribes and overburdened or low-income communities. Of the 17 full applications we received, 13 include projects that primarily impact overburdened or low-income communities or Tribes.

Community Outreach and Engagement
This request is for grant resources to continue the critical work of the FbD program to address flood risk in Washington. Outreach and engagement with local jurisdictions and Tribes are central to administering all aspects of the FbD program. At the administrative level, Ecology works in partnership with the FbD "backbone" nongovernmental organizations to support the greater FbD network, which is composed primarily of Tribal staff and representatives, staff from local jurisdictions, members of watershed organizations, and other local community representatives. Staff from other state and federal agencies, floodplain management practitioner consultants, and other individuals and groups with an interest in and/or expertise on specific topics also participate. Through the active engagement of the network, we ensure the FbD program continues to meet local needs and reflects the evolving nature of integrated floodplain management (IFM) in Washington.

For example, there are two community focused 'action groups' that are co-led by Ecology and NGO backbone staff which put the network members themselves at center stage: the Culture and Capacity Action Group (CCAG) and the Funding and Policy Action Group (FPAG). In other words, the network members determine which topics and/or activities they want to focus on each year, and then Ecology and the NGO backbone develop and coordinate corresponding annual work plans for each of the action groups. The action groups provide ongoing, dedicated opportunities for network members to gather to share knowledge and best practices related to FbD project development and implementation and for working collaboratively to develop and advance potential solutions for addressing systems-level barriers that slow and/or in other ways impede communities' efforts to pursue IFM projects, policies, etc.

The FbD program is also guided by a steering group composed of Tribal representatives, community representatives, and local leaders in floodplain management from across the state. The steering group provides expertise and perspectives from numerous interest groups to shape the administration of FbD and to ensure the program is administered fairly and consistent with the FbD mission.

Disproportional Impact Considerations
Ecology does not anticipate this request would have any disproportionate impacts on overburdened communities or vulnerable populations. However, there are likely and intended benefits for these communities. The impacts of flood hazards are disproportionately distributed across society, and lower-income people often face higher risks and impacts from flooding, including an increased likelihood of living in areas prone to flooding, less ability to move away from flood zones, and disadvantages in recovering from flood loss in the U.S. Flood hazards also disproportionately impact communities of color. This grant program recognizes the inequitable risks and impacts of flood hazards and seeks to address them in several ways. First, Ecology provides FbD applicants with environmental justice/equity resources to guide project development. Second, Ecology has eliminated the requirement for any FbD project applicant to demonstrate, track, and report on local

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match, starting with the 2025-27 FbD grant round. This will ensure that no tribe or other underserved, overburdened, and/or under-resourced community—whether they are the actual project applicant or partnering with another applicant—is subject to match requirements.

HEAL Act Agencies Supplemental Questions
See attached.

What is the agency's proposed funding strategy for the project?
Grants will be funded entirely through the State Building Construction Account. Ecology will no longer require any grantee to track and report on match, as described above. Most FbD projects leverage other funding sources, including federal, state, Tribal, local, and private funding, at a rate equal to or greater than 2:1. For communities that are new to integrated floodplain management approaches, FbD's flexible funding can bring capacity and advance project competitiveness to help communities secure other fund sources in the future. See our 2025-27 program funding guidelines here: https://apps.ecology.wa.gov/publications/SummaryPages/2306015.html.

Please note, if State Building Construction Account capacity is unavailable to support this entire request—or if there is a desire to add additional funding for FbD in 2025-27, an option would be to use the Natural Climate Solutions Account (NCSA) created under RCW 70A.65.270. Funding in this account can be used to "reduce flood risk and restore floodplains" around the state, which is the primary goal of the FbD grant program. Most FbD projects also restore and protect fisheries habitat, including addressing fish passage barriers; protect and restore freshwater riparian areas to promote climate resilience; and protect and restore riparian habitat on natural and working lands. Appropriation from this account would be eligible to support FbD grants.

Funding for this request includes $20,000 to maintain and update the grant applications in the agency systems.

Are FTEs required to support this project?
This project requires 8.5 FTEs to provide program and project oversight; conduct performance and financial management; conduct outreach to, coordinate with, and offer consultation to Tribes; conduct outreach to local jurisdictions and other integrated floodplain management project sponsors; and coordinate with our partners at Bonneville Environmental Foundation and Puget Sound Partnership. These staff also advise local project sponsors on program expectations and project development; manage active projects, including performing site visits; coordinate with other grant programs within Ecology and at other state natural resource agencies, including through the Agency Acquisition Work Group and the inter-agency Align Partnership; and assist with policy and budget development.

Please note these FTEs support both this new appropriation and other related reappropriation projects under this capital program.

How does the project support the agency and statewide results?
This request is essential to achieving the following Ecology goals:

- Goal 1: Support and Engage our Communities, Customers, and Employees because it will promote progressive floodplain management concepts and encourage all local stakeholders to participate in the process to help identify statewide needs for projects and funding levels.

Description

- Goal 2: Reduce and Prepare for Climate Impacts because it will help communities consider future flooding scenarios and design ways to reduce flood hazards.

- Goal 4: Protect and Manage our State's Waters because it will provide increased financial assistance to support community-based projects that improve public protection from flood hazards and result in environmentally sound floodplain management. It will also protect and restore floodplains in Puget Sound.

This request is essential to achieving the following Governor's Results Washington goals:

- Goal 3: Sustainable Energy and a Clean Environment because it will prevent flood damage and reduce pollutants from entering into river and shoreline areas.

- Goal 4: Healthy and Safe Communities because it will fund projects that provide communities the crucial resources and support they need to consider future flooding scenarios due to climate change and design ways to reduce flood hazards that will prevent loss of life and property during catastrophic flood events.

- Goal 5: Effective, Efficient, and Accountable Government because coordinating the flood hazard reduction program with other state initiatives, such as salmon recovery and improving water quality, increases opportunities for successful floodplain management.

This request also supports efforts under the Governors' Executive Order 18-02, Southern Resident Orca Recovery, and Task Force through Recommendation 1: Significantly increase investment in restoration and acquisition of habitat in areas where Chinook stocks most benefit Southern Resident orcas.

This request also directly implements the following recommended priority and action in the 2021 Governor's Salmon Strategy Update:

- Strategic Priority: 1. Protect and restore vital salmon habitat.
- Action: 1c. Voluntary protection and restoration.

Puget Sound recovery
This request supports the 2022-2026 Puget Sound Action Agenda implementation through Ongoing Program OGP_ECY13 Shorelands - Floodplains by Design, the Streams and Floodplains Vital Sign, and through the following Strategies, Targets, Desired Outcomes and Actions:

Strategies
5. Floodplains and Estuaries - Protect and restore floodplains and estuaries (including associated riparian habitats) by advancing integrated river basin management planning policies and regulations and accelerating funding and implementation of reach-scale plans.

Targets
Through Strategy 5 implementation - Fund 4,554 acres of floodplain or estuary habitat restoration or reconnection.

Desired Outcomes and Actions
1.1.1. Ecologically important lands (including beaches, estuaries, forests and wetlands, streams and floodplains) protected from development.

Project Number: 40000660
Project Title: 2025-27 Floodplains by Design

Description

1.1.2. Natural marine, estuarine, and freshwater shorelines (those not armored) protected to prevent future armoring and development.

1.1.3. Future fragmentation of rivers, floodplains, and estuaries by structural barriers prevented.

1.2.1. Conversion of agricultural lands and working forests to more intensive land uses (residential and commercial development) prevented.

1.3. Restore natural flows, fish passage, flooding, and tidal inundation to freshwater and marine systems by removing structural barriers or altering their management.

1.4.1. In-stream and riparian areas of rivers and streams restored.

1.4.2. Floodplains, tidal wetlands, and estuaries restored from development.

Action 19. Develop and maintain a Puget Sound-wide framework to build public support and political will, develop partnerships, mobilize funding resources, streamline permitting, and support monitoring for integrated floodplain management approaches to enhance outcomes for fish populations, flood risk, and agricultural viability (farm, fish, flood).

Action 20. Prioritize, design, and implement reach-scale restoration and protection projects within a river basin or watershed.

Action 24. Implement habitat protection and restoration projects that restore or maintain natural nutrient attenuation functions and sediment processes in watersheds, estuaries, and tidal wetlands.

Action 195. Increase and improve floodplain and estuary regulation implementation, compliance, enforcement, incentives, and communication.

This request also supports Orca Task Force Recommendation 1. Significantly increase investment in restoration and acquisition of habitat in areas where Chinook Stocks most benefit Southern Resident Orcas. The properties protected through this request typically provide significant Chinook benefits.

How will the other state programs or units of government be affected if this project is funded?
The FbD program is improving the coordination and maximizing the effectiveness of combining various funding sources to achieve multiple floodplain management benefits. We continue to improve funding coordination with other state agency partners, including the state Department of Fish and Wildlife, Washington Recreation and Conservation Office, and Puget Sound Partnership. Local governments will have new funding to put flood hazards and ecosystem projects in place to make a long-lasting impact, complementing other state and federal grant programs that support salmon habitat recovery.

Location
City: Statewide **County:** Statewide **Legislative District:** 098

Project Type
Grants

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*

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/1/2024 10:14AM

Project Number: 40000660
Project Title: 2025-27 Floodplains by Design

Description

Grant Recipient Organization: Local and tribal governments, flood control and conservation districts, and non-profit organization

RCW that establishes grant: N/A

Application process used

Ecology sends out a request for project proposals in November of odd-numbered years. In subsequent even-numbered years, the following steps occur: (1) In January, Ecology screens pre-applications; (2) In February, Ecology invites applicants of approved pre-applications to give presentations and submit full grant applications; (3) Finally, in May and June, a technical team of flood risk, ecosystem restoration, agricultural, and tribal experts score each project in accordance with program funding guidelines. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	420,000,000				84,000,000
	Total	**420,000,000**	**0**	**0**	**0**	**84,000,000**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State	84,000,000	84,000,000	84,000,000	84,000,000
	Total	**84,000,000**	**84,000,000**	**84,000,000**	**84,000,000**

Operating Impacts

No Operating Impact

SubProjects

SubProject Number: 40000661
SubProject Title: Floodplains by Design Facilitation and Technical Assistance

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/1/2024 10:14AM

Project Number: 40000660
Project Title: 2025-27 Floodplains by Design

SubProjects

SubProject Number: 40000661
SubProject Title: Floodplains by Design Facilitation and Technical Assistance

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 5

Project Summary

According to Washington's 2018 Hazard Inventory and Vulnerability Assessment (https://www.insurance.wa.gov/sites/default/files/2019-10/2018-hazard-inventory-vulnerability-assessment.pdf), "the costs of flood damages exceed the cost of all other natural hazards." Since 1980, flooding has caused more than $2 billion in damages to the state, with highly populated areas in Western Washington severely impacted. In the past, solutions to flooding problems were often out of sync with other ecosystem protection or restoration activities. The Floodplains by Design (FbD) grant program uses an integrated approach to manage our state's flood-prone areas. FbD grants provide funding that combines flood-hazard reduction actions with salmon recovery, habitat restoration, and other community benefits. This program is a public-private partnership between Ecology, Bonneville Environmental Foundation, and Puget Sound Partnership. This request is directly related to implementing the Governor's Salmon Strategy and Puget Sound Action Agenda. (State Building Construction Account)

Project Description

As the primary NGO partner in this public-private partnership, BEF will provide statewide technical assistance, technical studies, and facilitation of public-private-tribal advisory groups related to implementing capital projects.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Local and tribal governments, flood control and conservation districts, and non-profit organization
RCW that establishes grant: N/A
Application process used

Ecology sends out a request for project proposals in November of odd-numbered years. In subsequent even-numbered years, the following steps occur: (1) In January, Ecology screens pre-applications; (2) In February, Ecology invites applicants of approved pre-applications to give presentations and submit full grant applications; (3) Finally, in May and June, a technical team of flood risk, ecosystem restoration, agricultural, and tribal experts score each project in accordance with program funding guidelines. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding		Expenditures			2025-27 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	928,000				928,000
	Total	**928,000**	**0**	**0**	**0**	**928,000**

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/1/2024 10:14AM

Project Number: 40000660
Project Title: 2025-27 Floodplains by Design

SubProjects

SubProject Number: 40000661
SubProject Title: Floodplains by Design Facilitation and Technical Assistance

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000662
SubProject Title: Lower Big Quilcene River & Estuary Restoration

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 5

Project Summary

According to Washington's 2018 Hazard Inventory and Vulnerability Assessment (https://www.insurance.wa.gov/sites/default/files/2019-10/2018-hazard-inventory-vulnerability-assessment.pdf), "the costs of flood damages exceed the cost of all other natural hazards." Since 1980, flooding has caused more than $2 billion in damages to the state, with highly populated areas in Western Washington severely impacted. In the past, solutions to flooding problems were often out of sync with other ecosystem protection or restoration activities. The Floodplains by Design (FbD) grant program uses an integrated approach to manage our state's flood-prone areas. FbD grants provide funding that combines flood-hazard reduction actions with salmon recovery, habitat restoration, and other community benefits. This program is a public-private partnership between Ecology, Bonneville Environmental Foundation, and Puget Sound Partnership. This request is directly related to implementing the Governor's Salmon Strategy and Puget Sound Action Agenda. (State Building Construction Account)

Project Description

HCSEG is seeking funding for an integrated floodplain management project along the lower three miles of the Big Quilcene River. We will remove levees and roads to reconnect the river to 170 acres of floodplain, construct a floodplain spanning bridge, and create 3.4 miles of new river channel. This will restore severely degraded ESA-listed salmon habitat, substantially reduce flood hazards in the Quilcene community, and provide climate resiliency for the river, estuary, and transportation corridor.

Location

City: Unincorporated **County:** Jefferson **Legislative District:** 024

Project Type

Grants

Project Number: 40000660
Project Title: 2025-27 Floodplains by Design

SubProjects

SubProject Number: 40000662
SubProject Title: Lower Big Quilcene River & Estuary Restoration

Grant Recipient Organization: Local and tribal governments, flood control and conservation districts, and non-profit organization

RCW that establishes grant: N/A

Application process used

Ecology sends out a request for project proposals in November of odd-numbered years. In subsequent even-numbered years, the following steps occur: (1) In January, Ecology screens pre-applications; (2) In February, Ecology invites applicants of approved pre-applications to give presentations and submit full grant applications; (3) Finally, in May and June, a technical team of flood risk, ecosystem restoration, agricultural, and tribal experts score each project in accordance with program funding guidelines. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding

		Expenditures			2025-27 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	10,309,000				10,309,000
	Total	**10,309,000**	**0**	**0**	**0**	**10,309,000**

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000678
SubProject Title: Community Floodplain Solutions (CFS) Ph. 4 Implementation & Eval

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/1/2024 10:14AM

Project Number: **40000660**
Project Title: **2025-27 Floodplains by Design**

SubProjects

SubProject Number: **40000678**
SubProject Title: **Community Floodplain Solutions (CFS) Ph. 4 Implementation & Eval**

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 5

Project Summary

According to Washington's 2018 Hazard Inventory and Vulnerability Assessment (https://www.insurance.wa.gov/sites/default/files/2019-10/2018-hazard-inventory-vulnerability-assessment.pdf), "the costs of flood damages exceed the cost of all other natural hazards." Since 1980, flooding has caused more than $2 billion in damages to the state, with highly populated areas in Western Washington severely impacted. In the past, solutions to flooding problems were often out of sync with other ecosystem protection or restoration activities. The Floodplains by Design (FbD) grant program uses an integrated approach to manage our state's flood-prone areas. FbD grants provide funding that combines flood-hazard reduction actions with salmon recovery, habitat restoration, and other community benefits. This program is a public-private partnership between Ecology, Bonneville Environmental Foundation, and Puget Sound Partnership. This request is directly related to implementing the Governor's Salmon Strategy and Puget Sound Action Agenda. (State Building Construction Account)

Project Description

CFS advances implementation of integrated floodplain management in the Snohomish County portion of the Snohomish Watershed. CFS aims to increase ecological function, reduce impacts from flooding, and protect and enhance farmland productivity. Actions include design and construction of large-scale integrated floodplain projects, evaluation of installed projects, property acquisitions to preserve multi-benefit opportunities, farmland conservation, efficiency enhancements, and project development.

Location

City: Snohomish **County:** Snohomish **Legislative District:** 039

Project Type

Grants

Grant Recipient Organization: Local and tribal governments, flood control and conservation districts, and non-profit organization
RCW that establishes grant: N/A
Application process used

Ecology sends out a request for project proposals in November of odd-numbered years. In subsequent even-numbered years, the following steps occur: (1) In January, Ecology screens pre-applications; (2) In February, Ecology invites applicants of approved pre-applications to give presentations and submit full grant applications; (3) Finally, in May and June, a technical team of flood risk, ecosystem restoration, agricultural, and tribal experts score each project in accordance with program funding guidelines. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

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Report Number: CBS002
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Project Number: 40000660
Project Title: 2025-27 Floodplains by Design

SubProjects

SubProject Number: 40000678
SubProject Title: Community Floodplain Solutions (CFS) Ph. 4 Implementation & Eval

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	10,309,000				10,309,000
	Total	**10,309,000**	**0**	**0**	**0**	**10,309,000**

		Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000664
SubProject Title: Hoko River Floodplain Restoration at Upper Cowan Ranch

Project Number: 40000660
Project Title: 2025-27 Floodplains by Design

SubProjects

SubProject Number: 40000664
SubProject Title: Hoko River Floodplain Restoration at Upper Cowan Ranch

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 5

Project Summary

According to Washington's 2018 Hazard Inventory and Vulnerability Assessment (https://www.insurance.wa.gov/sites/default/files/2019-10/2018-hazard-inventory-vulnerability-assessment.pdf), "the costs of flood damages exceed the cost of all other natural hazards." Since 1980, flooding has caused more than $2 billion in damages to the state, with highly populated areas in Western Washington severely impacted. In the past, solutions to flooding problems were often out of sync with other ecosystem protection or restoration activities. The Floodplains by Design (FbD) grant program uses an integrated approach to manage our state's flood-prone areas. FbD grants provide funding that combines flood-hazard reduction actions with salmon recovery, habitat restoration, and other community benefits. This program is a public-private partnership between Ecology, Bonneville Environmental Foundation, and Puget Sound Partnership. This request is directly related to implementing the Governor's Salmon Strategy and Puget Sound Action Agenda. (State Building Construction Account)

Project Description

This project restores 1.3 miles of instream habitat and one mile of riparian ecosystem to address four to six feet of channel incision driven by historic log drives and channel clearing. Without this project, floods threaten a road carrying $24 million in timber, driving $29 million in wages, 397 jobs, $2 million in taxes, and $18 million in ecosystem services annually. Destroyed salmon habitat will be restored by construction of 97 log jams, 2,500 feet of side channels, and 31.6 acres of riparian plantings.

Location

City: Unincorporated **County:** Clallam **Legislative District:** 024

Project Type

Grants

Grant Recipient Organization: Local and tribal governments, flood control and conservation districts, and non-profit organization
RCW that establishes grant: N/A
Application process used

Ecology sends out a request for project proposals in November of odd-numbered years. In subsequent even-numbered years, the following steps occur: (1) In January, Ecology screens pre-applications; (2) In February, Ecology invites applicants of approved pre-applications to give presentations and submit full grant applications; (3) Finally, in May and June, a technical team of flood risk, ecosystem restoration, agricultural, and tribal experts score each project in accordance with program funding guidelines. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

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Report Number: CBS002
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Project Number: 40000660
Project Title: 2025-27 Floodplains by Design

SubProjects

SubProject Number: 40000664
SubProject Title: Hoko River Floodplain Restoration at Upper Cowan Ranch

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	10,295,000				10,295,000
	Total	**10,295,000**	**0**	**0**	**0**	**10,295,000**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000679
SubProject Title: Stillaguamish Watershed: Improving Floodplains & Farmlands

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 5

Project Summary

According to Washington's 2018 Hazard Inventory and Vulnerability Assessment (https://www.insurance.wa.gov/sites/default/files/2019-10/2018-hazard-inventory-vulnerability-assessment.pdf), "the costs of flood damages exceed the cost of all other natural hazards." Since 1980, flooding has caused more than $2 billion in damages to the state, with highly populated areas in Western Washington severely impacted. In the past, solutions to flooding problems were often out of sync with other ecosystem protection or restoration activities. The Floodplains by Design (FbD) grant program uses an integrated approach to manage our state's flood-prone areas. FbD grants provide funding that combines flood-hazard reduction actions with salmon recovery, habitat restoration, and other community benefits. This program is a public-private partnership between Ecology, Bonneville Environmental Foundation, and Puget Sound Partnership. This request is directly related to implementing the Governor's Salmon Strategy and Puget Sound Action Agenda. (State Building Construction Account)

Project Description

This proposal is a collaborative effort among watershed partners aimed at achieving the following goals: increased ecological function and climate resiliency, reduced flood impacts, protected and enhanced farmland productivity, maintained open space, and improved water quality. This package is a combination of projects that were funded by three previous FbD grant rounds and includes reach- and site-scale actions within the Stillaguamish Watershed.

Location

City: Stanwood **County:** Snohomish **Legislative District:** 039

Project Number: 40000660
Project Title: 2025-27 Floodplains by Design

SubProjects

Project Type

SubProject Number: 40000679
SubProject Title: Stillaguamish Watershed: Improving Floodplains & Farmlands

Project Type
Grants

Grant Recipient Organization: Local and tribal governments, flood control and conservation districts, and non-profit organization

RCW that establishes grant: N/A

Application process used
Ecology sends out a request for project proposals in November of odd-numbered years. In subsequent even-numbered years, the following steps occur: (1) In January, Ecology screens pre-applications; (2) In February, Ecology invites applicants of approved pre-applications to give presentations and submit full grant applications; (3) Finally, in May and June, a technical team of flood risk, ecosystem restoration, agricultural, and tribal experts score each project in accordance with program funding guidelines. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts
N/A

Funding

Acct Code	Account Title	Expenditures: Estimated Total	Expenditures: Prior Biennium	Expenditures: Current Biennium	2025-27 Fiscal Period: Reapprops	2025-27 Fiscal Period: New Approps
057-1	State Bldg Constr-State	8,840,000				8,840,000
	Total	**8,840,000**	**0**	**0**	**0**	**8,840,000**

Acct Code	Account Title	Future Fiscal Periods: 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000666
SubProject Title: Clear Creek Floodplain Reconnection Project [Near-Term Actions]

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Report Number: CBS002
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Project Number: **40000660**
Project Title: **2025-27 Floodplains by Design**

SubProjects

SubProject Number: **40000666**
SubProject Title: **Clear Creek Floodplain Reconnection Project [Near-Term Actions]**

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 5

Project Summary

According to Washington's 2018 Hazard Inventory and Vulnerability Assessment (https://www.insurance.wa.gov/sites/default/files/2019-10/2018-hazard-inventory-vulnerability-assessment.pdf), "the costs of flood damages exceed the cost of all other natural hazards." Since 1980, flooding has caused more than $2 billion in damages to the state, with highly populated areas in Western Washington severely impacted. In the past, solutions to flooding problems were often out of sync with other ecosystem protection or restoration activities. The Floodplains by Design (FbD) grant program uses an integrated approach to manage our state's flood-prone areas. FbD grants provide funding that combines flood-hazard reduction actions with salmon recovery, habitat restoration, and other community benefits. This program is a public-private partnership between Ecology, Bonneville Environmental Foundation, and Puget Sound Partnership. This request is directly related to implementing the Governor's Salmon Strategy and Puget Sound Action Agenda. (State Building Construction Account)

Project Description

The Puyallup Watershed's Floodplains for the Future partnership is focusing on a single critical, highly integrated, and collaborative site-scale project for this round of FbD. The proposal for 25-27 funds is the construction of the Near-Term Actions, a 125-acre integrated restoration project aiming to reduce flood risks, improve agricultural viability, and restore salmon habitat in collaboration with 20+ partner organizations

Location

City: Tacoma **County:** Pierce **Legislative District:** 025

Project Type

Grants

Grant Recipient Organization: Local and tribal governments, flood control and conservation districts, and non-profit organization
RCW that establishes grant: N/A
Application process used

Ecology sends out a request for project proposals in November of odd-numbered years. In subsequent even-numbered years, the following steps occur: (1) In January, Ecology screens pre-applications; (2) In February, Ecology invites applicants of approved pre-applications to give presentations and submit full grant applications; (3) Finally, in May and June, a technical team of flood risk, ecosystem restoration, agricultural, and tribal experts score each project in accordance with program funding guidelines. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

Project Number: 40000660
Project Title: 2025-27 Floodplains by Design

SubProjects

SubProject Number: 40000666
SubProject Title: Clear Creek Floodplain Reconnection Project [Near-Term Actions]

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	6,577,000				6,577,000
	Total	**6,577,000**	**0**	**0**	**0**	**6,577,000**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000667
SubProject Title: Chewelah Valley Restoration & Integrated Floodplain Mgmt Project

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 5

Project Summary

According to Washington's 2018 Hazard Inventory and Vulnerability Assessment (https://www.insurance.wa.gov/sites/default/files/2019-10/2018-hazard-inventory-vulnerability-assessment.pdf), "the costs of flood damages exceed the cost of all other natural hazards." Since 1980, flooding has caused more than $2 billion in damages to the state, with highly populated areas in Western Washington severely impacted. In the past, solutions to flooding problems were often out of sync with other ecosystem protection or restoration activities. The Floodplains by Design (FbD) grant program uses an integrated approach to manage our state's flood-prone areas. FbD grants provide funding that combines flood-hazard reduction actions with salmon recovery, habitat restoration, and other community benefits. This program is a public-private partnership between Ecology, Bonneville Environmental Foundation, and Puget Sound Partnership. This request is directly related to implementing the Governor's Salmon Strategy and Puget Sound Action Agenda. (State Building Construction Account)

Project Description

The project involves construction of a berm setback pilot project, easement acquisition to protect 160 acres of floodplains and wetlands, and continued strategic floodplain planning. The project benefits community safety, agriculture, critical habitat, water quality, recreation, and climate resilience. Our efforts are strengthened by many years of watershed planning and new partnerships with the Spokane Tribe of Indians, Chewelah Valley Land Trust, and Stevens County Conservation District.

Location

City: Colville **County:** Stevens **Legislative District:** 007

Project Number: 40000660
Project Title: 2025-27 Floodplains by Design

SubProjects

Project Type

SubProject Number: 40000667
SubProject Title: Chewelah Valley Restoration & Integrated Floodplain Mgmt Project

Project Type
Grants

Grant Recipient Organization: Local and tribal governments, flood control and conservation districts, and non-profit organization

RCW that establishes grant: N/A

Application process used
Ecology sends out a request for project proposals in November of odd-numbered years. In subsequent even-numbered years, the following steps occur: (1) In January, Ecology screens pre-applications; (2) In February, Ecology invites applicants of approved pre-applications to give presentations and submit full grant applications; (3) Finally, in May and June, a technical team of flood risk, ecosystem restoration, agricultural, and tribal experts score each project in accordance with program funding guidelines. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts
N/A

Funding

Acct Code	Account Title	Expenditures: Estimated Total	Expenditures: Prior Biennium	2025-27 Fiscal Period: Current Biennium	2025-27 Fiscal Period: Reapprops	2025-27 Fiscal Period: New Approps
057-1	State Bldg Constr-State	2,062,000				2,062,000
	Total	**2,062,000**	**0**	**0**	**0**	**2,062,000**

Acct Code	Account Title	Future Fiscal Periods: 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000668
SubProject Title: Upper Yakima River Floodplain&Habitat Restoration Implementation

Project Number: **40000660**
Project Title: **2025-27 Floodplains by Design**

SubProjects

SubProject Number: **40000668**
SubProject Title: **Upper Yakima River Floodplain&Habitat Restoration Implementation**

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 5

Project Summary

According to Washington's 2018 Hazard Inventory and Vulnerability Assessment (https://www.insurance.wa.gov/sites/default/files/2019-10/2018-hazard-inventory-vulnerability-assessment.pdf), "the costs of flood damages exceed the cost of all other natural hazards." Since 1980, flooding has caused more than $2 billion in damages to the state, with highly populated areas in Western Washington severely impacted. In the past, solutions to flooding problems were often out of sync with other ecosystem protection or restoration activities. The Floodplains by Design (FbD) grant program uses an integrated approach to manage our state's flood-prone areas. FbD grants provide funding that combines flood-hazard reduction actions with salmon recovery, habitat restoration, and other community benefits. This program is a public-private partnership between Ecology, Bonneville Environmental Foundation, and Puget Sound Partnership. This request is directly related to implementing the Governor's Salmon Strategy and Puget Sound Action Agenda. (State Building Construction Account)

Project Description

In 2019, FbD invested $4,150,000 for the acquisition of 386 contiguous Yakima River floodplain acres. Building on the success of these acquisitions, we are requesting implementation funding for a project on these lands and others, across a total of 595 acres along three river miles, to reduce flood risk, restore natural riverine processes, and improve and expand salmonid habitat, while allowing for flood compatible agricultural and recreational uses.

Location

City: Ellensburg **County:** Kittitas **Legislative District:** 013

Project Type

Grants

Grant Recipient Organization: Local and tribal governments, flood control and conservation districts, and non-profit organization
RCW that establishes grant: N/A
Application process used

Ecology sends out a request for project proposals in November of odd-numbered years. In subsequent even-numbered years, the following steps occur: (1) In January, Ecology screens pre-applications; (2) In February, Ecology invites applicants of approved pre-applications to give presentations and submit full grant applications; (3) Finally, in May and June, a technical team of flood risk, ecosystem restoration, agricultural, and tribal experts score each project in accordance with program funding guidelines. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

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Report Number: CBS002
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Project Number: 40000660
Project Title: 2025-27 Floodplains by Design

SubProjects

SubProject Number: 40000668
SubProject Title: Upper Yakima River Floodplain&Habitat Restoration Implementation

Funding

Acct Code	Account Title	Expenditures: Estimated Total	Expenditures: Prior Biennium	Expenditures: Current Biennium	2025-27 Fiscal Period: Reapprops	2025-27 Fiscal Period: New Approps
057-1	State Bldg Constr-State	10,309,000				10,309,000
	Total	**10,309,000**	**0**	**0**	**0**	**10,309,000**

Acct Code	Account Title	Future Fiscal Periods: 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000669
SubProject Title: The Nooksack River: Floodplains that Work - Phase 4

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 5

Project Summary

According to Washington’s 2018 Hazard Inventory and Vulnerability Assessment (https://www.insurance.wa.gov/sites/default/files/2019-10/2018-hazard-inventory-vulnerability-assessment.pdf), “the costs of flood damages exceed the cost of all other natural hazards.” Since 1980, flooding has caused more than $2 billion in damages to the state, with highly populated areas in Western Washington severely impacted. In the past, solutions to flooding problems were often out of sync with other ecosystem protection or restoration activities. The Floodplains by Design (FbD) grant program uses an integrated approach to manage our state’s flood-prone areas. FbD grants provide funding that combines flood-hazard reduction actions with salmon recovery, habitat restoration, and other community benefits. This program is a public-private partnership between Ecology, Bonneville Environmental Foundation, and Puget Sound Partnership. This request is directly related to implementing the Governor's Salmon Strategy and Puget Sound Action Agenda. (State Building Construction Account)

Project Description

Floodplains that Work is a multi-phase project that brings diverse interests together to find mutually agreeable solutions that work for the community and achieve project goals to reduce flood hazards, improve habitat, increase resiliency in our rural communities, and support a viable agricultural economy. Phase 4 builds on work completed in Phases 1-3 and will support four capital projects, land acquisition, and tribal and agricultural participation in the Floodplain Integrated Planning process.

Location

City: Unincorporated **County:** Whatcom **Legislative District:** 042

Project Number: 40000660
Project Title: 2025-27 Floodplains by Design

SubProjects

Project Type

SubProject Number: 40000669
SubProject Title: The Nooksack River: Floodplains that Work - Phase 4

Project Type
Grants

Grant Recipient Organization: Local and tribal governments, flood control and conservation districts, and non-profit organization

RCW that establishes grant: N/A

Application process used
Ecology sends out a request for project proposals in November of odd-numbered years. In subsequent even-numbered years, the following steps occur: (1) In January, Ecology screens pre-applications; (2) In February, Ecology invites applicants of approved pre-applications to give presentations and submit full grant applications; (3) Finally, in May and June, a technical team of flood risk, ecosystem restoration, agricultural, and tribal experts score each project in accordance with program funding guidelines. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts
N/A

Funding

Acct Code	Account Title	Expenditures: Estimated Total	Expenditures: Prior Biennium	Expenditures: Current Biennium	2025-27 Fiscal Period: Reapprops	2025-27 Fiscal Period: New Approps
057-1	State Bldg Constr-State	10,309,000				10,309,000
	Total	**10,309,000**	**0**	**0**	**0**	**10,309,000**

Acct Code	Account Title	Future Fiscal Periods: 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000670
SubProject Title: Hangman Creek Floodplain Restoration at Grouse Crk Ranch - Ph.1

Project Number: 40000660
Project Title: 2025-27 Floodplains by Design

SubProjects

SubProject Number: 40000670
SubProject Title: Hangman Creek Floodplain Restoration at Grouse Crk Ranch - Ph.1

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 5

Project Summary

According to Washington's 2018 Hazard Inventory and Vulnerability Assessment (https://www.insurance.wa.gov/sites/default/files/2019-10/2018-hazard-inventory-vulnerability-assessment.pdf), "the costs of flood damages exceed the cost of all other natural hazards." Since 1980, flooding has caused more than $2 billion in damages to the state, with highly populated areas in Western Washington severely impacted. In the past, solutions to flooding problems were often out of sync with other ecosystem protection or restoration activities. The Floodplains by Design (FbD) grant program uses an integrated approach to manage our state's flood-prone areas. FbD grants provide funding that combines flood-hazard reduction actions with salmon recovery, habitat restoration, and other community benefits. This program is a public-private partnership between Ecology, Bonneville Environmental Foundation, and Puget Sound Partnership. This request is directly related to implementing the Governor's Salmon Strategy and Puget Sound Action Agenda. (State Building Construction Account)

Project Description

This 2.2-mile floodplain reconnection project on Hangman Creek represents an unprecedented opportunity to apply a portfolio of process-based floodplain restoration techniques to address flooding impacts and restore habitat at a reach-scale in one of the most impaired waterways in WA. Hangman Creek has been identified as essential to Tribal-led salmon reintroduction in the Inland Northwest, which underscores the urgency for this project and has attracted a diverse suite of partners.

Location

City: Spangle **County:** Spokane **Legislative District:** 009

Project Type

Grants

Grant Recipient Organization: Local and tribal governments, flood control and conservation districts, and non-profit organization
RCW that establishes grant: N/A
Application process used

Ecology sends out a request for project proposals in November of odd-numbered years. In subsequent even-numbered years, the following steps occur: (1) In January, Ecology screens pre-applications; (2) In February, Ecology invites applicants of approved pre-applications to give presentations and submit full grant applications; (3) Finally, in May and June, a technical team of flood risk, ecosystem restoration, agricultural, and tribal experts score each project in accordance with program funding guidelines. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

Project Number: 40000660
Project Title: 2025-27 Floodplains by Design

SubProjects

SubProject Number: 40000670
SubProject Title: Hangman Creek Floodplain Restoration at Grouse Crk Ranch - Ph.1

Funding

Acct Code	Account Title	Expenditures: Estimated Total	Expenditures: Prior Biennium	Expenditures: Current Biennium	2025-27 Fiscal Period: Reapprops	2025-27 Fiscal Period: New Approps
057-1	State Bldg Constr-State	8,217,000				8,217,000
	Total	**8,217,000**	**0**	**0**	**0**	**8,217,000**

Acct Code	Account Title	Future Fiscal Periods: 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000680
SubProject Title: Snoqualmie River Collaborative Floodplain Restoration

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 5

Project Summary

According to Washington's 2018 Hazard Inventory and Vulnerability Assessment (https://www.insurance.wa.gov/sites/default/files/2019-10/2018-hazard-inventory-vulnerability-assessment.pdf), "the costs of flood damages exceed the cost of all other natural hazards." Since 1980, flooding has caused more than $2 billion in damages to the state, with highly populated areas in Western Washington severely impacted. In the past, solutions to flooding problems were often out of sync with other ecosystem protection or restoration activities. The Floodplains by Design (FbD) grant program uses an integrated approach to manage our state's flood-prone areas. FbD grants provide funding that combines flood-hazard reduction actions with salmon recovery, habitat restoration, and other community benefits. This program is a public-private partnership between Ecology, Bonneville Environmental Foundation, and Puget Sound Partnership. This request is directly related to implementing the Governor's Salmon Strategy and Puget Sound Action Agenda. (State Building Construction Account)

Project Description

Building on years of outreach, coordination, and planning, we submit a portfolio of projects for funding consideration - all focused on improving the functionality of the Snoqualmie River floodplain. From large and small capital projects ready for implementation to wide-ranging and visionary collaborations, our projects will increase floodplain function, reduce flood hazard risk, and either directly or indirectly benefit the agricultural community.

Location

City: Carnation **County:** King **Legislative District:** 005

Project Number: 40000660
Project Title: 2025-27 Floodplains by Design

SubProjects

Project Type

SubProject Number: 40000680
SubProject Title: Snoqualmie River Collaborative Floodplain Restoration

Project Type
Grants

Grant Recipient Organization: Local and tribal governments, flood control and conservation districts, and non-profit organization

RCW that establishes grant: N/A

Application process used
Ecology sends out a request for project proposals in November of odd-numbered years. In subsequent even-numbered years, the following steps occur: (1) In January, Ecology screens pre-applications; (2) In February, Ecology invites applicants of approved pre-applications to give presentations and submit full grant applications; (3) Finally, in May and June, a technical team of flood risk, ecosystem restoration, agricultural, and tribal experts score each project in accordance with program funding guidelines. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts
N/A

Funding

Acct Code	Account Title	Expenditures: Estimated Total	Expenditures: Prior Biennium	Expenditures: Current Biennium	2025-27 Fiscal Period: Reapprops	2025-27 Fiscal Period: New Approps
057-1	State Bldg Constr-State	5,845,000				5,845,000
	Total	**5,845,000**	**0**	**0**	**0**	**5,845,000**

Acct Code	Account Title	Future Fiscal Periods: 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000672
SubProject Title: 2025-27 Floodplains by Design Ten Year Financial Plan

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/1/2024 10:14AM

Project Number: **40000660**
Project Title: **2025-27 Floodplains by Design**

SubProjects

SubProject Number: **40000672**
SubProject Title: **2025-27 Floodplains by Design Ten Year Financial Plan**

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 5

Project Summary

According to Washington's 2018 Hazard Inventory and Vulnerability Assessment (https://www.insurance.wa.gov/sites/default/files/2019-10/2018-hazard-inventory-vulnerability-assessment.pdf), "the costs of flood damages exceed the cost of all other natural hazards." Since 1980, flooding has caused more than $2 billion in damages to the state, with highly populated areas in Western Washington severely impacted. In the past, solutions to flooding problems were often out of sync with other ecosystem protection or restoration activities. The Floodplains by Design (FbD) grant program uses an integrated approach to manage our state's flood-prone areas. FbD grants provide funding that combines flood-hazard reduction actions with salmon recovery, habitat restoration, and other community benefits. This program is a public-private partnership between Ecology, Bonneville Environmental Foundation, and Puget Sound Partnership. This request is directly related to implementing the Governor's Salmon Strategy and Puget Sound Action Agenda. (State Building Construction Account)

Project Description

Ten year financial plan

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Local and tribal governments, flood control and conservation districts, and non-profit organization
RCW that establishes grant: N/A
Application process used

Ecology sends out a request for project proposals in November of odd-numbered years. In subsequent even-numbered years, the following steps occur: (1) In January, Ecology screens pre-applications; (2) In February, Ecology invites applicants of approved pre-applications to give presentations and submit full grant applications; (3) Finally, in May and June, a technical team of flood risk, ecosystem restoration, agricultural, and tribal experts score each project in accordance with program funding guidelines. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding		Expenditures			2025-27 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	336,000,000				
	Total	**336,000,000**	**0**	**0**	**0**	**0**

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/1/2024 10:14AM

Project Number: 40000660
Project Title: 2025-27 Floodplains by Design

SubProjects

SubProject Number: 40000672
SubProject Title: 2025-27 Floodplains by Design Ten Year Financial Plan

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State	84,000,000	84,000,000	84,000,000	84,000,000
	Total	**84,000,000**	**84,000,000**	**84,000,000**	**84,000,000**

Operating Impacts

No Operating Impact

Ecology 2025-27 Biennium Capital Budget Project List
Shorelands and Environmental Assistance
Floodplains by Design

August 2024

Purpose: This list represents the projects proposed for State Building Construction Account funding in the 2025-27 budget request from Ecology. Flooding is the number one natural hazard in Washington State. It has caused more than $2 billion in damages to the state since 1980, with the highly populated areas in Western Washington most at risk. In the past, solutions to flooding problems were often out of sync with other ecosystem protection or restoration activities. This request will fund new projects that provide both flood hazard reduction and ecosystem and salmon recovery benefits in communities prone to flooding. Ecology requests $84,000,000 from the State Building Construction Account to continue the flood hazard reduction efforts through the capital Floodplains by Design grant program. All projects are promoting the Integrated Floodplain Management concept to provide multiple benefits and outcomes. Also, the program encourages the use of multiple funding sources to leverage our investments. The Floodplains by Design program coordinates with the Puget Sound Acquisition and Restoration Program (PSAR), Estuary and Salmon Restoration Program (ESRP), Salmon Recovery Funding Board (SRFB), and Ecology's Water Quality Financial Assistance programs by comparing project lists and determining the best funding approach. Additional benefits will be realized if complementary projects are funded together; however, the projects on this list are stand-alone and each one can proceed without depending on other grant funding.

Application Process: Pre-applications were invited in November, 2023. Due in January 2024, the pre-applications were screened by Ecology staff to determine if the proposal should be advanced to the full application process. Qualifying projects were invited to give a presentation in February, 2024. and submit a full application by May, 2024. Full applications were scored by a 12-member technical review panel that included representatives from Ecology's Floodplain Management team, WA Department of Fish and Wildlife, WA Department of Agriculture, Snohomish Conservation District, Bonneville Environmental Foundation (BEF), WA State Conservation Commission, and a staff member from the Squaxin Island Tribe. Projects were scored according to their technical elements. Scoring is not the only factor considered during ranking.

The scored projects were then ranked by Ecology, BEF, and other members of the FbD Partnership in accordance with Ecology's Floodplains by Design 2025-27 Funding Guidelines (Pub. # 23-06-015). Considerations beyond the scoring include: scope of the project(s) proposed; geographic diversity; supporting ongoing projects; previous performance by grant recipients; and reducing funding to some areas based on current funding and expected progress of the project. Potential projects were also shared with other capital budget based grant programs for coordination and to keep them informed, including PSAR, ESRP, SRFB, and Ecology's Water Quality Financial Assistance program. By aligning the various salmon and water grant programs, the program hopes to collectively optimize leveraging of state and federal dollars for the benefit of local floodplain management efforts.

Rank	Applicant / Recipient	Project Title	Project Description	Amount	Site Address	City	County	Leg. District	WRIA	Lat.	Long.
0	Bonneville Environmental Foundation (BEF)	Floodplains by Design Facilitation and Technical Assistance	As the primary NGO partner in this public-private partnership, BEF will provide statewide technical assistance, technical studies, and facilitation of public-private-tribal advisory groups related to implementing capital projects.	927,835	Statewide	Statewide	Statewide	Statewide	Statewide	Statewide	Statewide
1	Hood Canal Salmon Enhancement Group (HCSEG)	Lower Big Quilcene River & Estuary Restoration	HCSEG is seeking funding for an integrated floodplain management project along the lower three miles of the Big Quilcene River. We will remove levees and roads to reconnect the river to 170 acres of floodplain, construct a floodplain spanning bridge, and create 3.4 miles of new river channel. This will restore severely degraded ESA-listed salmon habitat, substantially reduce flood hazards in the Quilcene community, and provide climate resiliency for the river, estuary, and transportation corridor.	10,309,278	Countywide	Quilcene	Jefferson	24	17	47.82	-122.87
2	Snohomish County	Community Floodplain Solutions (CFS) Phase 4 Implementation & Evaluation	CFS advances implementation of integrated floodplain management in the Snohomish County portion of the Snohomish Watershed. CFS aims to increase ecological function, reduce impacts from flooding, and protect and enhance farmland productivity. Actions include design and construction of large-scale integrated floodplain projects, evaluation of installed projects, property acquisitions to preserve multi-benefit opportunities, farmland conservation, efficiency enhancements, and project development.	10,309,278	Countywide	Snohomish	Snohomish	38: 8%, 39: 54%, 44: 36%	7	47.95	-122.14
3	North Olympic Salmon Coalition	Hoko River Floodplain Restoration at Upper Cowan Ranch	This project restores 1.3 miles of instream habitat and one mile of riparian ecosystem to address four to six feet of channel incision driven by historic log drives and channel clearing. Without this project, floods threaten a road carrying $24 million in timber, driving $29 million in wages, 397 jobs, $2 million in taxes, and $18 million in ecosystem services annually. Destroyed salmon habitat will be restored by construction of 97 log jams, 2,500 feet of side channels, and 31.6 acres of riparian plantings.	10,294,657	Countywide	Clallam Bay	Clallam	24	19	48.25	-124.36
4	Stillaguamish Tribe of Indians	Stillaguamish Watershed: Improving Floodplains & Farmlands	This proposal is a collaborative effort among watershed partners aimed at achieving the following goals: increased ecological function and climate resiliency, reduced flood impacts, protected and enhanced farmland productivity, maintained open space, and improved water quality. This package is a combination of projects that were funded by three previous FbD grant rounds and includes reach- and site-scale actions within the Stillaguamish Watershed.	8,839,964	Countywide	Stanwood	Snohomish: 73%, Skagit: 26%	10: 26%, 39: 72%	5	48.24	-122.35
5	Pierce County	Clear Creek Floodplain Reconnection Project [Near-Term Actions]	The Puyallup Watershed's Floodplains for the Future partnership is focusing on a single critical, highly integrated, and collaborative site-scale project for this round of FbD. The proposal for 25-27 funds is the construction of the Near-Term Actions, a 125-acre integrated restoration project aiming to reduce flood risks, improve agricultural viability, and restore salmon habitat in collaboration with 20+ partner organizations	6,577,320	Countywide	Tacoma	Pierce	25	10	47.21	-122.37
6	Stevens County	Chewelah Valley Restoration & Integrated Floodplain Management Project	The project involves construction of a berm setback pilot project, easement acquisition to protect 160 acres of floodplains and wetlands, and continued strategic floodplain planning. The project benefits community safety, agriculture, critical habitat, water quality, recreation, and climate resilience. Our efforts are strengthened by many years of watershed planning and new partnerships with the Spokane Tribe of Indians, Chewelah Valley Land Trust, and Stevens County Conservation District.	2,062,048	Countywide	Colville	Stevens	7	59	48.25	-117.63

Rank	Applicant / Recipient	Project Title	Project Description	Amount	Site Address	City	County	Leg. District	WRIA	Lat.	Long.
7	Kittitas County	Upper Yakima River Floodplain & Habitat Restoration Implementation	In 2019, FbD invested $4,150,000 for the acquisition of 386 contiguous Yakima River floodplain acres. Building on the success of these acquisitions, we are requesting implementation funding for a project on these lands and others, across a total of 595 acres along three river miles, to reduce flood risk, restore natural riverine processes, and improve and expand salmonid habitat, while allowing for flood compatible agricultural and recreational uses.	10,309,278	Countywide	Ellensburg	Kittitas	13	39	46.94	-120.53
8	Whatcom County	The Nooksack River: Floodplains that Work - Phase 4	Floodplains that Work is a multi-phase project that brings diverse interests together to find mutually agreeable solutions that work for the community and achieve project goals to reduce flood hazards, improve habitat, increase resiliency in our rural communities, and support a viable agricultural economy. Phase 4 builds on work completed in Phases 1-3 and will support four capital projects, land acquisition, and tribal and agricultural participation in the Floodplain Integrated Planning process.	10,309,278	Countywide	Deming	Whatcom	42	1	48.71	-122.20
9	Trout Unlimited	Hangman Creek Floodplain Restoration at Grouse Creek Ranch - Phase 1	This 2.2-mile floodplain reconnection project on Hangman Creek represents an unprecedented opportunity to apply a portfolio of process-based floodplain restoration techniques to address flooding impacts and restore habitat at a reach scale in one of the most impaired waterways in WA. Hangman Creek has been identified as essential to Tribal-led salmon reintroduction in the Inland Northwest, which underscores the urgency for this project and has attracted a diverse suite of partners.	8,216,561	Countywide	Spangle	Spokane	9	56	47.47	-117.31
10	King County	Snoqualmie River Collaborative Floodplain Restoration	Building on years of outreach, coordination, and planning, we submit a portfolio of projects for funding consideration - all focused on improving the functionality of the Snoqualmie River floodplain. From large and small capital projects ready for implementation to wide-ranging and visionary collaborations, our projects will increase floodplain function, reduce flood hazard risk, and either directly or indirectly benefit the agricultural community.	5,844,503	Countywide	Carnation	King	5: 68%, 45: 32%	7	47.68	-121.96
			TOTAL	**84,000,000**							

2025-27 Biennial Budget HEAL Act Template

Background

HEAL Act requirements

The Healthy Environment for All Act (HEAL Act), Chapter 314, Laws of 2021 (RCW 70A.02) requires that "covered and opt in agencies" must implement the requirements of the HEAL Act. This includes the:

- Department of Ecology
- Department of Agriculture
- Department of Commerce
- Department of Health
- Department of Natural Resources
- Department of Transportation
- Puget Sound Partnership
- Office of the Attorney General

HEAL Act agencies that are considering a significant agency action initiated after July 1, 2023, are required to conduct an environmental justice assessment. RCW 70A.02.010(12) specifies that significant agency actions include:

- The development and adoption of significant legislative rules as defined in RCW 34.05.328.
- The development and adoption of any new grant or loan program that the agency is explicitly authorized or required by statute to implement.
- A capital project, grant, or loan award costing at least $12,000,000.
- A transportation project, grant, or loan costing at least $15,000,000.
- The submission of agency request legislation to the Office of the Governor or OFM.

Under RCW 70A.02.080, beginning on or before July 1, 2023, covered and opt in agencies must, where practicable, take specific actions when making expenditure decisions or developing budget requests to OFM and the Legislature for programs that address or may cause environmental harms or provide environmental benefits. This includes:

- Focus applicable expenditures on creating environmental benefits that are experienced by overburdened communities and vulnerable populations, including reducing or eliminating environmental harms, creating community and population resilience, and improving the quality of life of overburdened communities and vulnerable populations.
- Create opportunities for overburdened communities and vulnerable populations to meaningfully participate in agency expenditure decisions.
- Clearly articulate environmental justice goals and performance metrics to communicate the basis for agency expenditures.
- Establish a goal of directing 40% of grants and expenditures that create environmental benefits to vulnerable populations overburdened communities.

To help OFM understand how HEAL Act agency budget requests meet HEAL Act requirements, covered agencies are required to complete additional questions related to the HEAL Act. These questions are shown below and are in addition to the equity related questions required of all agencies. Covered agencies are asked to complete the following questions and submit them through ABS.

HEAL Act questions

If you answer YES to any of these bullet points, please answer the six additional questions and submit them as an attachment through ABS.

- Is this decision package part of an agency request legislation that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding to support another significant agency action that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding for a program/project/activity that may **provide environmental benefits or reduce, mitigate, or eliminate environmental harms**, (that is not a significant agency action)? Note: This may include decision packages for programs not purposely directed to provide environmental benefits but may have an indirect or unintentional impact.

  ☒ Yes

  ☐ No

If you answer YES to any of the above bullet points, please complete these additional questions.

1. Please describe specific likely or probable environmental harms and/or benefits related to your decision package and the associated health impacts to overburdened communities and vulnerable populations.

   This program will specifically benefit overburdened communities through reduced flood risk and restored floodplain functions; and in many cases, also by enhancing working lands. This program solicits projects from communities statewide and has made recent changes focused on reducing administrative barriers, which are particularly challenging for already under-resourced and overburdened communities. All funded FbD projects include significant flood-reduction benefits to impacted communities, and a majority of projects in the current round of applicants (13 out of 17) will positively impact overburdened or low-income communities and/or Tribes.

2. Please describe the estimated percentage and amount of the requested funds that will go towards creating environmental benefits in overburdened communities and vulnerable populations as defined in OFM's the OBC map or as determined by the agency. If applicable, please include your methodology for making this estimate, including project/award lists if available.

   Ecology estimates that 55% of requested funds would go towards creating environmental benefits in overburdened communities and vulnerable populations. If funded at the requested level of $84 million, this package will support the top ten floodplain capital improvement projects on our ranked list of projects: As shown in the table below, six of the top ten projects are designated as underserved by the OFM's OBC map. The cumulative funding request for those six projects is $46,336,068, which makes up 55% of the $84 million request.

Rank	Organization	Project Cost	ECY Total Request	OBC Status
1	Hood Canal Salmon Enhancement Group	$ 10,000,000	$ 11,227,000	No
2	Snohomish County Conservation Natural Resources Department	$ 10,000,000	$ 21,527,000	No
3	North Olympic Salmon Coalition	$ 9,985,817	$ 31,812,392	Yes
4	Stillaguamish Tribe of Indians	$ 8,574,766	$ 40,644,401	No
5	Pierce County - Public Works and Utility Department	$ 6,380,000	$ 47,215,801	Yes
6	Stevens County - Land Services Department	$ 2,000,187	$ 49,275,994	Yes
7	Kittitas County - Public Works Department	$ 10,000,000	$ 59,575,994	Yes
8	Whatcom County - Public Works Department	$ 10,000,000	$ 69,875,994	Yes
9	Trout Unlimited	$ 7,970,064	$ 78,085,160	Yes
10	King County - Water and Land Resources Division	$ 9,580,800	$ 87,953,384	No

3. Please describe any potential significant impacts to Indian Tribes' rights and interest in their tribal lands, as well as traditional practices.

   Ecology does not anticipate any negative potential significant impacts to Indian Tribes' rights and interest in their tribal lands, or to traditional practices: Instead, the FbD program benefits Tribal treaty rights and Tribes' watershed resources in Washington. Multiple benefit floodplain restoration projects enhance aquatic ecosystems and help recover endangered salmonid species that are co-managed by Tribes in Washington State. These projects also enhance watershed resources that benefit Tribal lands.

4. Describe how your agency engaged with Tribes in developing this proposal, including offers for tribal consultation including timelines, methods for feedback, and mechanisms for Tribes to express concern, opposition, or support., and any direction provided by Tribes through this engagement.

Ecology did not engage with Tribes specifically on the development of this proposal. However, this proposal is in response to and in alignment with feedback received through regular, ongoing participation of Tribal representatives who both serve on broader FbD advisory groups, and who also engage with Ecology through direct channels, to make recommendations on the FbD program and grant processes. Outreach and engagement with local jurisdictions and Tribes have been a central part of Floodplains by Design (FbD) since the initiative's inception over a decade ago. The FbD program is guided by a Steering Group that includes Tribal representatives as well as community representatives and local leaders in floodplain management from across the state. The Steering Group provides expertise and perspectives from numerous interest groups to shape the priorities of FbD and to ensure the program is administered fairly and consistent with the program's purpose.

5. If the decision package is part of agency request legislation or supports another significant agency action that is required to complete an environmental justice assessment under RCW 70A.02.010(12), please submit the assessment as an attachment in ABS.

   N/A

6. If the decision package is part of agency request legislation or constitutes a significant agency action that is required to complete an environmental justice assessment, please describe how your agency used the environmental justice assessment process to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits. If your agency determined that you were unable to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits, please provide a justification for not doing so.

   N/A

OFM

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/12/2024 10:43AM

Project Number: **40000643**
Project Title: **2025-27 Stormwater Financial Assistance Program**

Description

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 6

Project Summary

Ecology's Stormwater Financial Assistance Program provides grants to public entities to finance stormwater retrofit projects that treat polluted stormwater in priority areas throughout the state. Funding will be awarded through an integrated competitive rating and ranking process to ensure projects provide good water quality value and address problems from existing urban development. This request for $80 million will fund work accomplished by local governments to help reduce toxics and other pollution from entering our waterways and protect our marine waters, estuaries, lakes, rivers, and groundwater resources. This request is directly related to implementing the Governor's Salmon Strategy and to Puget Sound Action Agenda. (Model Toxics Control Stormwater Account and State Building Construction Account)

Project Description

What is the proposed project?

Ecology requests $80 million for stormwater project implementation grants in the 2025-27 biennium. This investment leverages an additional 25% in required local match. Funding for this program will continue to support constructing stormwater retrofit projects and implementing associated source control activities with high water quality and ecologic benefit.

The Stormwater Financial Assistance Program (SFAP) will provide grant funding for stormwater projects through Ecology's Water Quality Program (WQP) integrated competitive funding process. These high-priority stormwater improvement projects will support state water quality goals by preventing pollution generated from existing development and transported by stormwater runoff from reaching surface waters. Ecology will administer these grants through the nationally recognized annual Water Quality Combined Financial Assistance Program. This program provides a streamlined grant and loan application process for local governments seeking state funding for water quality improvement projects. Draft ranked and prioritized project lists will be published in January 2025 and January 2026 and provide information on each of the high-priority statewide stormwater improvement projects selected for funding.

Projects eligible for funding include planning and installing capital projects and source control activity projects. Example projects may include:

- Constructing stormwater basins, pervious pavements, and bio-retention systems that collect runoff from hard surfaces and remove pollutants before the water is released to a water body or infiltrated into the ground.

- Project-specific planning and design to help jurisdictions prepare for constructing stormwater capital improvement projects.

- Toxics source tracing and corrective action contaminant removal projects. These projects are a cost-effective way of reducing toxics discharge to waterways.

- Prioritized watershed basin retrofit planning and implementation strategies. These projects may use tools like Geographic Information Systems (GIS) mapping to help organize and prioritize stormwater capital improvement projects. This process provides efficiencies of scale and maximizes water quality benefits per dollar.

Projects constructed through this program will meet design standards outlined in Ecology's Eastern and Western Washington stormwater management manuals. Projects are rated and prioritized based primarily on pollutant reduction and water quality improvement outcomes as well as project cost benefit and readiness to proceed.

Project Number: 40000643
Project Title: 2025-27 Stormwater Financial Assistance Program

Description

What opportunity or problem is driving this request?
Polluted stormwater is one of the greatest threats to the health of Washington waters. Most of this pollution comes from existing infrastructure like buildings, road surfaces, and municipal storm sewer systems built before the Clean Water Act and other environmental regulations. In new and redeveloped areas, developers shoulder most of the cost of treating stormwater. However, local jurisdictions are burdened with the expense of cleaning up stormwater problems created by old, ineffective infrastructure; and in many cases, untreated stormwater carrying pollutants from existing infrastructure is released directly into the nearest waterway. Pollution from stormwater runoff has significant impacts on water quality and the health of our waterways. Toxic pollutants carried via stormwater adversely affect ecosystem health and aquatic life, with particular impacts on the food web, salmonids and, ultimately, Southern Resident orcas.

This request continues Ecology's ongoing SFAP to address one of the most significant water pollution problems in Washington State. The SFAP will maintain the momentum of work accomplished through previous funding provisions from the past seven biennia. Ecology estimates the need for stormwater retrofit and associated projects to address stormwater pollution problems in Washington are in the billions of dollars range. The SFAP, integrated with the existing Water Quality Combined Financial Assistance Program (WQCFAP), will provide an ongoing source of funds that will incentivize implementing stormwater projects for local governments and establish Washington as a leader in actively protecting its waters from the impacts of stormwater runoff.

What are the specific benefits of this project?
The SFAP provides funding to local governments for municipal stormwater management projects that achieve specific environmental and public health benefits, including:

- Improving and protecting water quality by reducing pollutant transport to surface waters.

- Restoring natural hydrology to streams and improving watershed function.

- Promoting groundwater recharge.

- Restoring and protecting designated uses of Washington's waters, such as drinking water, aquatic habitat, and shellfish harvesting.

- Promoting and incentivizing sustainable communities.

This request will provide economic benefits to local governments by providing critical grant resources for addressing the impacts of poor stormwater management and antiquated systems and for managing urban stormwater, reducing pollutants, and helping resolve flooding issues through green infrastructure improvements.

This request will also provide economic benefits to the state by creating up to 185 jobs per year during the next four years based on Office of Financial Management estimates.

What are the effects of non-funding?
Statewide water quality and public heath would be impacted if these grant dollars are not available to help local communities mitigate the effects of polluted stormwater. The SFAP funds would not be available to local communities for developing and implementing projects that go beyond the requirements of National Pollutant Discharge Elimination System (NPDES) permits to treat polluted runoff from existing development. Without these funds, capital stormwater improvement projects may not be constructed, and untreated stormwater would continue to pollute Washington's waterways. Untreated stormwater

Description

discharges toxic chemicals into waters of the state, which in turn impacts shellfish habitat, fisheries, orca populations, human health, and other beneficial uses.

Why is this the best option or alternative?
To ensure the highest-value and highest-priority stormwater projects receive funding, Ecology solicited input originally through the Stormwater Funding Program community partners work group and continues to take input and guidance from the Water Quality Financial Assistance Council. These groups include representatives from local governments, the Puget Sound Partnership, the Washington State Association of Counties, the Association of Washington Cities, the Washington Public Ports Association, and the Washington Environmental Council. These community partner groups helped evaluate options and alternatives for addressing statewide stormwater issues and provided Ecology with input and feedback that led to implementing the SFAP.

During the 2015-17 biennium, Ecology launched the SFAP as a stormwater-specific funding program that is integrated within the well-established and successful WQCFAP and annual funding cycle process. This request will provide the resources needed to continue Ecology's ongoing, long-term, statewide SFAP that works hand-in-hand with the existing program and fills the gap in grant funding needed for implementing high-priority stormwater projects.

How will clients be affected and services change if this project is funded?
Since 2006, Ecology has provided stormwater construction grants to local governments through a series of one-time funding provisions in the state capital budget. If this request is funded, Ecology can continue to support local governments in promoting and incentivizing their ongoing efforts to reduce polluted stormwater runoff to Washington water bodies. Local government community partners throughout the state have voiced strong support for an ongoing and stable stormwater financial assistance program that can help them proactively address stormwater management problems and improve environmental sustainability and the health of their local communities.

Focus on Equity:
Target Populations and Communities
SFAP benefits people statewide. The intended beneficiaries of this program include economically disadvantaged communities that would not otherwise have the resources to fund these stormwater projects.

Community Outreach and Engagement
The SFAP was initially developed through a year-long community partnership process. Ecology continues to adaptively manage SFAP to meet the changing needs of local communities. We actively solicit feedback about all aspects of the program using multiple methods and sources to reach under-resourced communities. Ecology invites community partners to weigh in on the SFAP via surveys, an annual funding list public comment period, and quarterly meetings of the Financial Assistance Council that includes representatives from small communities and Tribes; we also hold annual recipient and applicant workshops.

But even more importantly, SFAP staff develop direct, ongoing relationships with local community staff and Tribes. In addition to ensuring successful project development and implementation, these relationships provide an ongoing opportunity for SFAP staff to hear what is working and what is needed in the program.

Overburdened communities often report grant and project management as a major barrier to project implementation. The SFAP provides applicants and funding recipients with one-on-one assistance throughout the grant process to minimize this barrier. SFAP staff ensure early Tribal engagement and consultation for each project funded under the program and prioritize

Description

funding for projects that integrate community and Tribal engagement in their project planning and prioritization process.

Disproportional Impact Considerations
The Environmental Protection Agency's data shows that, in Washington State, areas with more low-income, linguistically isolated, or racially diverse residents also have aging infrastructure. This means these communities might face health risks from exposure to harmful chemicals in runoff and may bear a heavier burden of the costs and inconvenience of fixing utility problems.

By funding implementation of new stormwater treatment facilities, such as stormwater parks and green infrastructure, this program reduces exposure to toxics and creates the opportunity to improve the urban environment for vulnerable populations and mitigating potential impacts from utility rate increases.

By improving water quality and restoring natural stream hydrology, this request supports salmon recovery and fulfillment of Tribal treaty rights. However, the development of new green stormwater facilities could impact Tribal cultural resources. To mitigate these potential impacts, SFAP prioritizes funding for projects that include Tribal engagement and directly coordinates early consultation with Tribes on funded projects.

HEAL Act Agencies Supplemental Questions
See attached.

What is the agency's proposed funding strategy for the project?
The SFAP has historically been funded with both Model Toxics Control Act (MTCA) and State Building Construction Account (SBCA) bond funding and is matched up to 25% by local governments. The Hazardous Substance Tax (HST) is the primary revenue source for MTCA accounts, and taxes are collected on the first possession of certain hazardous substances. Petroleum makes up over 90% of the revenue collected with the HST.

In 2019, Engrossed Substitute Senate Bill 5993 changed the HST structure for liquid petroleum products from a value-based tax to a volume-based tax and created a new dedicated environmental fund specifically for stormwater. Starting July 1, 2019, the HST rate on liquid petroleum products was $1.09 per barrel and will increase annually by the Implicit Price Deflator (IPD) for non-residential structures. The Department of Revenue will use the IPD for non-residential structures published each March by the U.S. Department of Commerce, Bureau of Economic Analysis, for the prior calendar year to set the new per-barrel rate for the upcoming fiscal year.

The HST revenue from liquid petroleum products is deposited into the three MTCA accounts:

- 60% into MTCA-Operating Account

- 25% into MTCA-Capital Account

- 15% into MTCA-Stormwater Account

This request will use the projected fund balance in the MTCA Stormwater Account for the 2025-27 biennium, based on the June 2024 HST revenue forecast and available fund balance at the time of Ecology's 2025-27 capital budget request. Because there is not currently enough fund balance capacity in the MTCA Stormwater Account to fully support this request, a portion of the funding is being requested from SBCA.

Project Number: 40000643
Project Title: 2025-27 Stormwater Financial Assistance Program

Description

Please note, if available MTCA Stormwater capacity decrease in future forecasts—or if there is a desire to add additional funding for SFAP in 2025-27, an alternative to using SBCA in combination with MTCA Stormwater would be to use the new Natural Climate Solutions Account (NCSA), created under RCW 70A.65.270, to support this capital program. Moneys in this account can be used to improve infrastructure-treating stormwater from previously developed areas within an urban growth boundary
(UGB), with a preference given to projects that use green stormwater infrastructure.

However, appropriation from this account would only be eligible to support a portion of SFAP grants awarded each biennium, because some communities or counties are not required to fully plan projects under the Growth Management Act (GMA) or designate Urban Growth Areas (UGAs). Therefore, funding to support this request, at a minimum, would need to come from a combination of MTCA Stormwater/SBCA and NCSA, because NCSA would be able to augment the funding provided through SFAP, but not serve as a replacement fund source for MTCA Stormwater.

Funding for this project includes $20,000 to maintain and update the grant or loan applications in the agency systems.

Are FTEs required to support this project?
Ecology requires a total of 23 FTEs to support ongoing management of 160 active grants from prior biennia SFAP funding and an estimated 80-90 new SFAP grants in 2025-27.

SFAP FTEs that manage, oversee, and administer the expanded SFAP program and projects include:
- Stormwater experts who manage the SFAP to ensure the highest priority projects will be funded.

- Engineers who review project proposals and design documents to ensure appropriate technology application and outcomes.

- Project managers who provide direct project oversight, technical, and outcomes management.

- Financial managers who oversee agreement development, funding conditions, and quality assurance and control of reimbursements that assure fiscal accountability. These staff also perform project tracking, reporting, and technology support.

Please note, these FTEs support both this new appropriation and other related reappropriation projects under this capital program.

How does the project support the agency and statewide results?
This request is essential to achieving the following Ecology goals:

Goal 1: Support and Engage our Communities, Customers, and Employees because it will support a clean water economy by providing grant funding to communities through Ecology's integrated WQCFAP. This program continues to provide one application and rating and ranking process to award funding from four separate funding sources, including SFAP. These grants protect water quality and public health through implementing multi-benefit stormwater activity and facility projects.

Goal 2: Reduce and Prepare for Climate Impacts because it will fund projects that help communities prepare for climate impacts and integrate climate resilience. It will address long-term sustainability by building and updating water pollution control facilities to prevent discharge of pollutants in changing climatic conditions and creating opportunities for implementing natural drainage systems, promoting stormwater re-use, and groundwater recharge.

Description

Goal 4: Protect and Manage our State Waters because it will fund projects for water pollution control infrastructure and projects that reduce nonpoint pollution and nutrient discharges.

This request is essential to achieving the following Governor's Results Washington goals:

Goal 2: Prosperous Economy because it will provide opportunities for quality jobs when new water quality infrastructure is constructed, or existing infrastructure is repaired or upgraded. The Office of Financial Management estimates that 12 direct and indirect jobs in Washington are created for every $1 million spent on building clean water infrastructure. This program also helps communities build well-functioning and sustainable clean water infrastructure that supports local economies.

Goal 3: Sustainable Energy and a Clean Environment because it will provide grants for high-priority water quality projects statewide. Stormwater infrastructure projects help local communities protect public health and the environment by reducing pollution of our lakes, rivers, streams, marine waters, estuaries, and groundwater.

Goal 4: Healthy and Safe Communities because it will fund projects that address the impacts of climate change and improve community resilience by supporting long-term, multi-benefit solutions to impacts from stormwater pollution, including nutrients, toxics, and temperature. SFAP supports environmental justice issues by addressing needs in low-income communities through grants with reduced match requirements and funding packages that allow communities to meet match with low-interest Clean Water State Revolving Fund (CWSRF) loans.

Goal 5: Efficient, Effective, and Accountable Government because it will provide one application rating and ranking process to award funds from four separate funding sources, including SFAP. This creates an efficient and streamlined approach for communities to apply for funding resources through an integrated WQCFAP.

This request also directly implements the following recommended priority and action in the 2021 Governor's salmon strategy update:

- Strategic Priority: 2. Invest in clean water infrastructure for salmon and people
- Action: 2a. Improves stormwater management

Puget Sound recovery
This request supports several Orca Task Force Recommendation as well as supports the 2022-2026 Puget Sound Action Agenda implementation through Ongoing Program OGP_ECY38 Water Quality - Provide Financial Assistance, and through various Vital Signs, Strategies, Desired Outcomes, and Actions included in the Action Agenda. See attachment A for a complete list of linkages between this request and the agenda.

How will the other state programs or units of government be affected if this project is funded?
Solving stormwater pollution problems requires the efforts of and collaboration with local, state, and Tribal governments. Supporting local governments in implementing stormwater projects will also support efforts of the Puget Sound Partnership; Washington State departments of Commerce (Commerce), Natural Resources, Health (DOH), and Transportation (WSDOT); the U.S. Environmental Protection Agency; and Tribal water quality improvement programs.

Through this integrated program, the Water Quality Program is coordinating and collaborating with most other Ecology programs through a variety of groups, including the Ecology Grants Group, Ecology Cultural Resources Workgroup, and on a project-by-project basis where there are cross-program project elements. Ecology is highly engaged in cross-agency

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Report Number: CBS002
Date Run: 8/12/2024 10:43AM

Project Number: 40000643
Project Title: 2025-27 Stormwater Financial Assistance Program

Description

coordination and collaboration through its commitment to the Infrastructure Assistance Coordinating Council, Maximizing Resources workgroup, Small Communities Initiative, and the Sync Infrastructure System Improvement Team (Ecology, Commerce, DOH, WSDOT, Transportation Board, and Public Works Board).

Location
City: Statewide **County:** Statewide **Legislative District:** 098

Project Type
Grants

Grant Recipient Organization: Counties, cities, towns, and port districts
RCW that establishes grant: RCW 70A.305.200
Application process used
Ecology manages an integrated annual funding approach using a joint application, evaluation, and rating and ranking process for the CWSRF, Centennial Clean Water Program, Stormwater Financial Assistance Program, and the Clean Water Act Section 319 federal grant program. The application period begins in August with applications due mid-October. Ecology staff screen, review, and rate and rank the applications from November through December. In early November, the funding application list is available for each fiscal year funding cycle and is provided to the Governor's office and key legislators. The evaluation and points are assigned according to an objective rating system that identifies the highest priority water quality needs statewide. In January, Ecology produces a combined draft project list for the Legislature to use during budget considerations. The list becomes final on July 1 or sooner, contingent on capital budget appropriations. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts
N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	13,219,000				13,219,000
23R-1	MTC Stormw Account-State	386,781,000				66,781,000
	Total	**400,000,000**	**0**	**0**	**0**	**80,000,000**

		Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
23R-1	MTC Stormw Account-State	80,000,000	80,000,000	80,000,000	80,000,000
	Total	**80,000,000**	**80,000,000**	**80,000,000**	**80,000,000**

Operating Impacts

No Operating Impact

Attachment A

Linkages to Puget Sound Action Agenda Implementation

This attachment provides additional supporting details for the following capital project request (CPR) as it relates to the Puget Sound 2022-2026 Action Agenda implementation.

CPR Title: 2025-27 Stormwater Financial Assistance Program

Vital Signs

- Freshwater
- Marine Water
- Streams and Floodplains
- Toxics in Aquatic Life
- Beaches and Marine Vegetation
- Estuaries
- Forests and Wetlands
- Groundfish and Benthic Invertebrates
- Orcas
- Salmon
- Zooplankton
- Drinking Water
- Shellfish Beds
- Cultural Wellbeing
- Economic Vitality
- Good Governance
- Sense of Place
- Sound Stewardship

Strategies

- 4. Riparian Areas
- 5. Floodplains and Estuaries
- 7. Freshwater Availability
- 8. Prevent Pollution
- 10. Stormwater Runoff and Legacy Contamination
- 19. GHG Reductions and Carbon Sequestration
- 20. Climate Adaptation and Resilience
- 21. Sense of Place
- 22. Recreation and Stewardship
- 23. Transparent and Inclusive Governance
- 24. Cultural Practices
- 26. Human Health

Desired Outcomes

- 1.3.1. Levees, floodgates, tide gates, roads, existing development, and other barriers in floodplains and estuaries removed or their management altered.
- 1.3.3. Culverts, dams, and other infrastructure removed, retrofitted, or managed to ensure fish passage and functional downstream habitat.
- 1.5.2. Infiltration and water holding capacity of upland areas (developed lands, agricultural lands and working forests, and natural lands) increased.
- 2.1.1. Toxic hotspots where stormwater runoff or wastewater contain significant concentrations of numerous toxic chemicals reduced through improved source control and/or treatment.
- 2.1.4. Toxics in infrastructure and building materials removed through source control and/or management/remediation.

- 2.2.2. Nutrient loading in stormwater runoff from residential and commercial lands reduced.
- 2.2.5. Sites that support natural nutrient attenuation restored, enhanced, or created.
- 2.3.4. Disease-causing (pathogenic) bacteria and viruses in stormwater runoff from residential and commercial lands reduced.
- 2.3.5. Disease-causing (pathogenic) bacteria and viruses in runoff from agricultural lands reduced.
- 2.4.1. Risk and potential harm of spills of oil and hazardous substances to waterways reduced.
- 4.1.1. Better understand and communicate the effects of climate change on Puget Sound.
- 4.2. Achieve net zero emissions in Washington State by 2050.
- 4.3.1. Increase the resilience of the Puget Sound ecosystem and recovery efforts by adapting to changing climate and ocean conditions when conducting protection and restoration activities.
- 5.1 Senses of place of Puget Sound residents are respected and enhanced.
- 5.2. Engagement in and trust of Puget Sound environmental and natural resource governance is increased.
- 5.4. Employment and production in natural resources sectors such as fisheries, aquaculture, agriculture, timber, ecosystem restoration, and tourism are made resilient.
- 5.5 Participation in outdoor recreational and stewardship activities is enhanced.
- 5.6.2. Levels and patterns of contaminants in drinking water do not threaten Puget Sound communities or vulnerable populations with adverse health outcomes.
- 5.6.3. Levels and patterns of contamination in fish and shellfish harvested from Puget Sound waters do not threaten the health of Puget Sound communities or vulnerable populations.
- 5.6.4. Levels and patterns of pollutants and biotoxins in surface waters do not threaten the health of Puget Sound communities or vulnerable populations.

Actions

- 3. Conduct watershed-scale planning and land use planning to protect and restore water quality.
- 10. Support watershed cleanup implementation and the development of cleanup plans such as Total Maximum Daily Loads (TMDLs) and other strategies to limit fecal pollution.
- 31. Encourage retrofits and restoration through education and incentives.
- 32. Increase local stormwater management capacity (including funding. staffing resources. and management tools and information).
- 40. Effectively manage and control fecal pollution and disease-causing bacteria and viruses from small onsite sewage systems (OSS) and larger onsite sewage systems (LOSS).
- 63. Support fishers. hikers. and other recreational users through outreach and education to understand and reduce the effects of human and pet waste on water quality.
- 86. Increase number. accessibility. and protections for multi-use and multi-cultural natural spaces (for example. fish and shellfish harvesting. camping. boating. and gardening. etc.). including green spaces and waterways.
- 98. Promote multi-benefit solutions in restoration and protection project development to include considerations for job creation.
- 137. Implement multi-benefit projects and programs that synergistically advance Puget Sound recovery goals and reduce greenhouse gas emissions. increase greenhouse gas sequestration in Puget Sound ecosystems. increase climate adaptation. and promote climate resilience.

- 139. Develop and implement land use and transportation planning to reduce energy use and greenhouse gas emissions and adapt to the effects of climate change.
- 151. Regreen urban spaces.
- 154. Prevent and reduce combined sewer overflows.
- 156. Fund. develop. and implement programs to address fecal pollution from people experiencing homelessness or with inadequate access to sanitary services.
- 161. Ecosystem recovery processes and decision making are inclusive of a broader set of committed stakeholders and diverse forms of knowledge.
- 162. Increase capacity for overburdened and historically marginalized communities to engage in environmental decision-making.
- 197. Honor tribal nations' treaty rights. obligations. and inherent sovereign interests when considering implementation of Puget Sound recovery projects and programs. and actively engage with tribal nations to align and incorporate shared goals.
- 200. Limit people's exposures to harmful water pollution.

Ongoing Program - OGP_ECY38 Water Quality - Provide Financial Assistance

Orca Task Force Recommendations

- 31. Reduce stormwater threats and accelerate clean-up of toxics harmful to orcas.
- 32. Improve effectiveness. implementation and enforcement of National Pollutant Discharge Elimination System permits to address direct threats to Southern Resident orcas and their prey.
- 34. Provide sustainable funding for implementation of all recommendations.

2025-27 Biennial Budget HEAL Act Template

Background

HEAL Act requirements

The Healthy Environment for All Act (HEAL Act), Chapter 314, Laws of 2021 (RCW 70A.02) requires that "covered and opt in agencies" must implement the requirements of the HEAL Act. This includes the:

- Department of Ecology
- Department of Agriculture
- Department of Commerce
- Department of Health
- Department of Natural Resources
- Department of Transportation
- Puget Sound Partnership
- Office of the Attorney General

HEAL Act agencies that are considering a significant agency action initiated after July 1, 2023, are required to conduct an environmental justice assessment. RCW 70A.02.010(12) specifies that significant agency actions include:

- The development and adoption of significant legislative rules as defined in RCW 34.05.328.
- The development and adoption of any new grant or loan program that the agency is explicitly authorized or required by statute to implement.
- A capital project, grant, or loan award costing at least $12,000,000.
- A transportation project, grant, or loan costing at least $15,000,000.
- The submission of agency request legislation to the Office of the Governor or OFM.

Under RCW 70A.02.080, beginning on or before July 1, 2023, covered and opt in agencies must, where practicable, take specific actions when making expenditure decisions or developing budget requests to OFM and the Legislature for programs that address or may cause environmental harms or provide environmental benefits. This includes:

- Focus applicable expenditures on creating environmental benefits that are experienced by overburdened communities and vulnerable populations, including reducing or eliminating environmental harms, creating community and population resilience, and improving the quality of life of overburdened communities and vulnerable populations.
- Create opportunities for overburdened communities and vulnerable populations to meaningfully participate in agency expenditure decisions.
- Clearly articulate environmental justice goals and performance metrics to communicate the basis for agency expenditures.
- Establish a goal of directing 40% of grants and expenditures that create environmental benefits to vulnerable populations overburdened communities.

To help OFM understand how HEAL Act agency budget requests meet HEAL Act requirements, covered agencies are required to complete additional questions related to the HEAL Act. These questions are shown below and are in addition to the equity related questions required of all agencies. Covered agencies are asked to complete the following questions and submit them through ABS.

HEAL Act questions

If you answer YES to any of these bullet points, please answer the six additional questions and submit them as an attachment through ABS.

- Is this decision package part of an agency request legislation that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding to support another significant agency action that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding for a program/project/activity that may **provide environmental benefits or reduce, mitigate, or eliminate environmental harms**, (that is not a significant agency action)? Note: This may include decision packages for programs not purposely directed to provide environmental benefits but may have an indirect or unintentional impact.

  ☒ Yes

  ☐ No

If you answer YES to any of the above bullet points, please complete these additional questions.

1. Please describe specific likely or probable environmental harms and/or benefits related to your decision package and the associated health impacts to overburdened communities and vulnerable populations.

   Data provided by the Environmental Protection Agency's (EPA) Environmental Justice Screening and Mapping Tool shows significant geographic overlap between Washington state communities with a higher proportion of residents that have low incomes, are linguistically isolated, or include people of color and the location of aging infrastructure. In addition to the potential health impacts of exposure to toxic chemicals in untreated runoff, these communities may disproportionately shoulder the high cost and disruption of utility work within the built environment.

By funding the implementation of new stormwater treatment facilities, such as stormwater parks and green infrastructure, this program reduces exposure to toxics and creates the opportunity to improve the urban environment for vulnerable populations while mitigating potential impacts from utility rate increases.

2. Please describe the estimated percentage and amount of the requested funds that will go towards creating environmental benefits in overburdened communities and vulnerable populations as defined in OFM's the OBC map or as determined by the agency. If applicable, please include your methodology for making this estimate, including project/award lists if available.

   Ecology estimates that $32 M (47%) of the requested funds will go towards creating environmental benefits for overburdened communities and vulnerable populations as defined in OFM's overburdened communities' map.

   Ecology compared the locations of projects previously funded by the Stormwater Financial Assistance Program to the current OFM overburdened communities map and found that 39% of these projects (47% of total funds offered) were located directly within overburdened communities. Ecology expects this to percentage to increase in response to the recently lowered match requirements for small communities and expended efforts to reach these communities in response to the HEAL Act.

   Furthermore, of the projects that are not likely to be constructed directly within an OFM defined area, Ecology estimates that between 85 and 95% will provide indirect benefits to vulnerable populations due to their proximity upstream of a waterbody that provides habitat for salmon or shellfish populations. This estimate was developed using historical data and the selection criteria outlined in the Water Quality Combined Funding Program Guidelines. The implemented projects will prevent the pollution generated upstream from impacting overburdened and vulnerable communities located downstream.

3. Please describe any potential significant impacts to Indian Tribes' rights and interest in their tribal lands, as well as traditional practices.

   By improving water quality and restoring natural stream hydrology, this request supports the salmon recovery and the fulfillment of tribal treaty rights. However, the development of new green stormwater facilities could impact tribal cultural resources. To mitigate these potential impacts, SFAP prioritizes funding for projects that include tribal engagement and directly coordinates early consultation with Tribes on funded projects.

4. Describe how your agency engaged with Tribes in developing this proposal, including offers for tribal consultation including timelines, methods for feedback, and mechanisms for Tribes to express concern, opposition, or support., and any direction provided by Tribes through this engagement.

Over-burdened communities often report grant and project management as a major barrier to project implementation. The SFAP program provides applicants and funding recipients with one-on-one assistance throughout the grant process to minimize this barrier. SFAP program staff ensure early tribal engagement and consultation for each project funded under the program and prioritize funding for projects that integrate community and tribal engagement in their project planning and prioritization process.

5. If the decision package is part of agency request legislation or supports another significant agency action that is required to complete an environmental justice assessment under RCW 70A.02.010(12), please submit the assessment as an attachment in ABS.

   No

6. If the decision package is part of agency request legislation or constitutes a significant agency action that is required to complete an environmental justice assessment, please describe how your agency used the environmental justice assessment process to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits. If your agency determined that you were unable to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits, please provide a justification for not doing so.

   N/A

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/28/2024 4:18PM

Project Number: 40000681
Project Title: 2025-27 Columbia River Water Supply Development Program

Description

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 7

Project Summary

Ecology is requesting $57.8 million in new appropriation authority to continue implementing the Columbia River Basin Water Supply Development Program (Chapter 90.90 RCW). This request will fund projects that are in various stages of completion and provide the Office of Columbia River with resources needed to make substantial progress in the 2025-27 biennium. Specifically, these funds will: provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water for pending water right applications; develop new, uninterruptible water supply for those presently subject to interruption during times of drought or low flows; develop new municipal, domestic, industrial, and irrigation water throughout the Columbia River Basin and, place approximately one-third of these new water supplies in-stream to meet the flow needs of fish, wildlife, and recreational users. With this investment, Ecology will help meet the priority needs of the water users in the Columbia River Basin. Related to implementing the Governor's Salmon Strategy and Washington's Climate Resilience Strategy. (State Building Construction Account and Columbia River Basin Water Supply Revenue Recovery Account)

Project Description

What is the proposed project?

Legislative Authorization Summary

The 2006 Legislature authorized $200 million in bonds to implement the Columbia River Basin Water Supply Development Program (Program) that expands available water supply in the basin, provides replacement supplies for some existing uses, and improves stream flow conditions within the Columbia and Snake Rivers. This request will continue to build on projects currently being implemented and new projects Ecology is managing through the Office of Columbia River (OCR).
These projects include pursuing water supplies to benefit both instream and out-of-stream uses through storage, conservation, and voluntary regional water management agreements. RCW 90.90.010 described the following activities for the original bond funds:

- Assessing, planning, and developing new storage options.

- Improving or altering operations of existing storage facilities.

- Implementing conservation projects (net water savings achieved through conservation measures will be placed into trust in proportion to the state funding provided to implement a project).

- Other actions designed to provide access to new water supplies within the Columbia River Basin for both instream and out-of-stream uses.

The original bond funds were exhausted in the 2017-19 biennium. Since that time, the legislature has appropriated State Building Construction Account monies and Columbia River Water Management Recovery dollars as the source of capital funds for biennial capital appropriations. These latter two sources do not have the same prescriptive requirements under RCW 90.90.120 as the $200 million bond funding.

Results through the 2023-25 Biennium

1. Odessa Groundwater Replacement Program

Description

- East Low (EL – this is conveyance canal) mile 11.8 is now approximately 60% Design, which is accepted by the U.S. Bureau of Reclamation (Reclamation), East Columbia Basin Irrigation District (ECBID), and Ecology on January 12, 2024. EL 11.8 system is now moving towards 90% Designs for the approximately 7,648 acres. USDA Natural Resource Conservation Service (NRCS) is taking the lead on the environmental and cultural compliance requirements.

- EL 22.1 – 60% Designs accepted by Reclamation, ECBID, and Ecology on April 19, 2023. EL 22.1 system is now moving towards 90% Designs for approximately 19,345 acres.

- EL 40.2 – Engineering phase has not begun.

- EL 47.5 – Distribution system of 8,600 acres was completed in 2021; additional turnouts are being installed in spring 2024 to deliver water to an additional 2,000 acres. This system will reach full buildout, delivering water to 10,500 acres by June 2024.

- EL 54.0 – This system has not qualified for state proviso's monies to date and is on the verge of collecting $20/acre from the landowners to start the early design process.

- EL 80.6 – 60% Designs accepted by Reclamation, ECBID, and Ecology on April 23, 2024, with 90% design expected in summer 2024. This system will provide replacement surface water for approximately 5,862 acres.

- EL 84.7 – Reclamation, ECBID, and Ecology are currently reviewing the 90% design package. This system will provide replacement surface water for approximately 7,138 acres.

- EL 86.4 – 100% system designs are completed for the delivery system, including engineering designs, hydraulic modeling, cultural resource compliance, and water service contracts.

- Reclamation and ECBID are finishing up easement acquisitions for the pipeline right of way. Construction began in the spring of 2024. This system will provide replacement surface water for approximately 5,426 acres.

- Odessa Groundwater Replacement Project is currently approximately 24% complete, and by the end of the 2023 -2025 biennium, we expect to be close to 40-50% complete.

2. Icicle Creek Integrated Water Resource Management Strategy

- Started Environmental Impact Statement (EIS) and advanced coordination with Ecology's Dam Safety Office, the Icicle Peshastin Irrigation District (IPID), and the US Forest Service on reconstruction of Eight Mile Dam. The final EIS was released on June 21, 2024. Engineering design for the preferred alternative will begin in summer 2024 following the final EIS.

- Several projects are moving forward through permitting, design, and/or feasibility, including the IPID Conservation Plan, geotechnical reconnaissance and topographic surveys at the Alpine Lake facilities, the Solazzi Lower Icicle Creek Riparian Planting Project, geomorphic and hydraulic analysis for Tribal fishery adaptive management, and the City of Leavenworth Drought Conservation Plan. Other projects are beginning construction, including a new downstream point of diversion for the Cascade Orchard Irrigation Company's Pump Exchange Project, installing a new snow telemetry (SNOTEL) station within the watershed, pit-tagging some fish, and installing restrooms at the Tribal fish hatchery area. IPID fish screens, Icicle River Middle School Demonstration Conservation Garden, Snow Creek Bridge replacement, the City of Leavenworth flow meters and fish screen, Icicle Creek Boulder Field Fish Passage Improvement Project, Fromm Streambank Restoration and Riparian Planting Project, Snow Creek Bridge replacement, and the Leavenworth National Fish Hatchery partial recirculating tanks are all complete as of April 2024.

Description

3. Aquifer Storage and Recovery (ASR)

- Advanced several ASR projects for the cities of White Salmon, Quincy, Othello, West Richland, Goldendale, and Pasco. The City of Othello is now in Phase 2 ASR pilot testing; the City of Pasco is continuing to refine an ASR feasibility study; and the City of West Richland started an ASR feasibility study and water quality assessment. The City of Quincy completed drilling a new well. The City of White Salmon received a temporary ASR permit and is working toward a permanent permit for the facility. Continue monitoring water quality parameters on permitted ASR facilities, including the cities of Kennewick, Yakima, and Walla Walla.

4. Tribal Settlements

- Concluded negotiations for a 100-year timeframe for the Spokane Tribes of Indians' and the Washington State Department of Ecology on lost revenue from implementation of the Odessa Subarea Special Study groundwater replacement project that was the subject of a 2012 Agreement in Principle with the Spokane Tribe. The new agreement was signed in January of 2024 by Director Watson. The first installment payment (1 of 2) was issued to the Tribe in the spring of 2024 in the amount of $1,415,000. An additional payment (2 of 2) for $1,415,000 is required in the 2025-27 biennium to complete Ecology's obligation under the 100-year agreement.

5. Walla Walla 2050

- Completed and published the Walla Walla Water 2050 Strategic Plan in 2021 in coordination with the State of Oregon and the Confederated Tribes of the Umatilla Indian Reservation. See: https://ecology.wa.gov/Water-Shorelines/Water-supply/Water-supply-projects-EW/Walla-Walla-2050

- Passed state legislation (HB 1322) in 2023, adopting the Walla Walla 2050 Strategic Plan under RCW 90.90 to implement the strategic plan.

- Assisted the Oregon Water Resources Department (OWRD) with assistance and support from the Confederated Tribes of the Umatilla Indian Reservation (CTUIR) to pass companion legislation in Oregon under SB 1567 in spring 2024.

- Implementing a long-term, consensus-based, bi-state governance structure in the basin.

- Continued further investment in the Walla Walla River Bi-state Flow Study work (Phase 3).

- Continuing the U.S. Geologic Survey (USGS) Cooperative Walla Walla River Basin Groundwater Study (bi-state groundwater study cost-shared with the State of Oregon and USGS).

- Implementing a WaterSmart grant of $500,000 from the Bureau of Reclamation for a joint Ecology-Reclamation Walla Walla Basin Study. The Walla Walla Basin Study is progressing under an anticipated three-year schedule.

- Developing bi-state management options in a report to the state legislature in 2025.

- Implementing several projects listed as Teir 1 priorities under the Walla Walla 2050 Strategic Plan, including the Mill Creek Fish Passage and Floodplain Design, the Touchet River Floodplain and Reconnection Project, the installation of two Eddy flux stations in the basin to support open evapotranspiration data, basalt well monitoring, the City of Walla Walla ASR support, and the Dayton Wastewater Treatment Plant geotechnical exploration. We anticipate additional Tier 1 projects will be ready for implementation for the 2025-2027 biennium.

Description

6. Pasco Basin (Chapter 508-14 WAC)

- Developed a groundwater allocation strategy with the United States Bureau of Reclamation (USBR) for the artificially stored groundwater in the Pasco Basin.

- Cost shared with USGS to define the area and approximation of water quantities available.

- Signed Memorandum of Understanding with Bureau of Reclamation to develop a groundwater co-management strategy.

- Started rulemaking for the groundwater allocation program and boundary designation process in July of 2023.

- Anticipate administratively defining the groundwater management area under RCW 90.44.100 and WAC 508-14 and officially designating it as the Pasco Basin groundwater management area summer of 2024.

- Developing a Memorandum of Agreement (MOA) with the Bureau of Reclamation on the management and functions of the program.

- Continued cost share agreement with USGS and Bureau of Reclamation to further refine pumping scenarios and artificially stored groundwater development regions within the Pasco Basin.

7. Washington Department of Fish and Wildlife (WDFW) Support Staffing

- Project planning and implementation in close coordination with staff of WDFW to ensure compliance with various OCR and Yakima Basin Integrated Plan projects.

8. Supported Multiple Studies

- Finished the Columbia Snake River Irrigators Association (CSRIA) updated benchmark study for the irrigation-related impacts to water users related to the removal of the lower Snake River Dams in January 2024.

- Upper Columbia United Tribes Salmon re-introduction studies.

- Leased water from the Port of Walla Walla.

- Partnered with Jones-Shotwell Ditch Company on their conservation project (installing an enclosed pipeline).

- Partnered with the City of White Salmon to explore alternate sources for municipal use.

- Partnered with the Washington State University and the Washington Water Research Center to start early work on groundwater for the 2026 Columbia River Basin Long-Term Water Supply and Demand Forecast.

9. Switzler Off-Channel Reservoir

- Continued working on filling data gaps identified in the EIS scoping process. OCR is currently responding to scoping comments with contractor assistance and doing cultural resource outreach with four Columbia River Tribes. Continued drafting the Environmental Impact Statement in coordination with both Benton and Klickitat counties.

Project Number: 40000681
Project Title: 2025-27 Columbia River Water Supply Development Program

Description

10. Drought Insurance Program for Columbia River mainstem

- Working with Aspect Consulting and Auvil Fruit Ranches to finalize a purchase and sale agreement to secure the water savings resulting from water conservation from shade cloth deployment.

More details on project progress are provided in the 2021 Columbia River Basin Water Supply Inventory Report (https://apps.ecology.wa.gov/publications/documents/2112010.pdf).

- Working with additional large-scale water rights holders on the Columbia River mainstem to develop additional water supply through the deployment of water conservation measures and consolidation of existing water rights. This work is currently under development for the 2025-2027 biennium. OCR anticipates significant improvements in water accessibility (approximately 10,000-acre feet or more) during periods of drought on the mainstem Columbia River as a result of this program.

2025-27 Projects (detailed project list attached)

Ecology will need to complete its sixth water supply and demand forecast in November 2026. We use this as a long-term capital investment-planning tool. It identifies and quantifies critical water needs and guides decisions regarding state investment in water supply development projects. The forecast describes the current regulatory framework for supply management in the Columbia River Basin and potential changes due to changing legal conditions, policy choices, climate change, and water supply projects. Future demands (beyond the 2025-27 biennium projects) for agriculture, municipalities, hydroelectric power, and instream flows will be evaluated in this forecast.
https://ecology.wa.gov/About-us/Who-we-are/Our-Programs/Office-of-Columbia-River/Office-of-Columbia-River-Legislative-reports/Water-supply-demand-forecast
Ecology is requesting $57.8 million in new appropriation authority to fund projects that are in various stages of completion and provide the Office of Columbia River with resources needed to make substantial progress in the 2025-27 biennium. Projects expected to be implemented or continued during the 2025-27 biennium include:

1. Odessa Groundwater Replacement Program

Odessa Groundwater Replacement Program (OGWRP): including design and construction of lateral piping for water delivery, pumping plants, electrical facilities, mitigation projects, and bridge replacements. We are seeking monies for ALL remaining pumping plants and delivery systems to advance planning, engineering, design review, and construction. We anticipate $25 million in state funding to be leveraged with an equal, if not larger, federal funding boost during the 2025-27 biennium. During the 2023-25 biennium, the state's $32.8 million capital funding is providing match dollars to NRCS (federal) $37+ million grants for OGWRP implementation.

2. Icicle Creek Integrated Water Resource Management Strategy

Icicle Creek Water Resources Management Strategy Project Implementation: including the Eight Mile Lake Dam reconstruction and restoration construction, the Leavenworth National Fish Hatchery Conservation & Water Quality improvements, the Alpine Lakes Optimization and Automation, Cascade Orchards Irrigation Company Pump Exchange Project, and exploring source replacement options for the City of Leavenworth.

3. Aquifer Storage and Recovery (ASR)

- Advance ASR projects from feasibility to pilot testing to permitting in the following areas:

Description

• Quad Cities ASR (City of West Richland/Richland/Pasco).

• Columbia Basin ASR (cities of Othello, Quincy, Moses Lake, White Salmon & Goldendale).

4. Walla Walla

- Walla Walla 2050 Strategic Plan implementation: includes a programmatic EIS, bi-state flow study, USGS groundwater study, federal USBR Basin Study, and continues to refine a funding strategy. Please note that the Walla Walla Basin includes areas in both Washington and Oregon and sits on the boundary of both states. The headwaters of the basin are in Oregon and flow across Washington to the Snake and Columbia River systems. This project will conduct work that includes water supply solutions for the entire watershed. We anticipate funding 12-18 additional tier 1 projects that will be ready for implementation during the 2025-2027 biennium.

- Continued water leases from Port of Walla Walla and Lake Roosevelt.

5. Tribal Settlements

Concluded negotiations in 2024 for a 100-year timeframe for the Spokane Tribes of Indians' and Washington State Department of Ecology on lost revenue from implementation of the Odessa Subarea Special Study Groundwater Replacement Project that was the subject of a 2012 Agreement in Principle with the Spokane Tribe. The new agreement was signed in January 2024 by Director Watson. The first installment payment (1 of 2) was issued to the Tribe in the spring of 2024 of $1,415,000. An additional payment (2 of 2) for $1,415,000 is required in the 2025-27 biennium to complete Ecology's obligation under the 100-year agreement.

6. Pasco Basin (Chapter 508-14 WAC)

- Pasco Basin Water Supply (Chapter 508-14 WAC), rulemaking efforts including State Environmental Policy Act, and outreach.

7. Support Staffing

- Ecology Office of Columbia River staffing support.

- Washington Department of Fish and Wildlife (WDFW) general support for Odessa, Icicle, Pasco Basin, Walla Walla, Potholes Supplemental Feed Route, including Trout Lodge.

8. Supported Multiple Studies

- Pursue a municipal water supply reliability project (White Salmon and Colville Tribe).

- 2026 Supply and Demand Forecast, Interim research, data collection and modeling, and working toward advancing the groundwater component of the forecast.

9. Switzler

- Switzler Storage EIS completion.

10. Columbia River

Description

- Columbia River Policy Advisory Group and Washington Association of Counties (Columbia River Caucus) facilitation.

- Drought Insurance Program for Columbia River Mainstem: Working with additional large-scale water rights holders on the Columbia River Mainstem to develop additional water supply through the deployment of water conservation measures and consolidation of existing water rights

- Columbia River Interruptible Water Rights: Water supply development projects to meet the demands of existing interruptible water rights.

- Multiple feasibility, design, and scoping new supply development in the Columbia Basin.

11. Other Initiatives

- Lake Roosevelt Water Service Contract: contract with USBR to provide water from Lake Roosevelt to end users.

- Potholes Supplemental Feed Route: continue to partner with USBR on securing properties/easements for inundating Crab Creek.

- Methow Community and affordable housing water supply: a multi-benefit project to enhance wildlife habitat, sustainable agriculture, affordable housing, recreation, and municipal water use in Winthrop.

OCR's proposed project ranking includes criteria that consider continuing a project from previous biennia (versus a new project); the amount of water supply made available, and water saved for instream and out-of-stream uses; location of the project; fish benefits; and the ability to measure and enforce water savings. The project list is a working draft subject to change based on technical feedback from the Columbia River Policy Advisory Group, 2021 Columbia River Long-Term Water Supply and Demand Forecast recommendations, local priorities, future legislative appropriations, feasibility assessment outcomes, and permit requirements.

This budget request is related to actions currently proposed in the draft Washington's Climate Resilience Strategy, which is being developed under RCW 70A.05 and will be finalized by September 30, 2024.

What opportunity or problem is driving this request?
Before Chapter 90.90 RCW was enacted in 2006, it was very difficult to provide permanent, new water rights in much of the Columbia River Basin. Water managers, business leaders, agricultural interests, environmental and Tribal leaders, and others were struggling to find a new way to deal with Eastern Washington's critical water issues.

The problems they faced were immense. Aquifers in the Odessa Subarea were rapidly declining, endangering the region's most valuable crop, potatoes. Low stream flows threatened salmon and steelhead. Interruptible water rights holders faced frequent curtailment during the height of the irrigation season, and cities struggled to meet the demand for additional water as they grew. New water rights for agriculture, industry, and communities were subjected to years of litigation as various parties fought over the best use of this scarce resource.

New water supplies that could be issued to address these problems were and are required, in nearly all cases, to be interrupted during low flow periods to protect instream flows for fish. This request will provide a path forward to meet economic and community needs for reliable water supplies in the face of climate change while protecting and enhancing river flows for fish.

Project Number: 40000681
Project Title: 2025-27 Columbia River Water Supply Development Program

Description

What are the specific benefits of this project?
This request will continue financing assessments and construction of water projects and water conservation measures. These infrastructure investments will:

- Expand the available water supply across the Columbia River Basin.

- Allow new water rights to be issued.

- Enhance instream flows in the mainstem Columbia River and some of its tributaries.

- Plan and forecast future water supply needs, accounting for climate change, aging infrastructure, and ecosystem restoration.

- Build innovative partnerships to deliver integrated water management solutions across Eastern Washington.

The last seven biennia have been defining years for the program. Several important studies are being finalized; negotiations are continuing with project partners, leading to progress on several projects; and additional water is being acquired for agriculture, municipalities, businesses, people, and fish and wildlife. Each year, the Columbia River Basin creates up to $7.4 billion in crop revenue and 36,000 jobs in the potato industry alone. To date, over 476,000 acre-feet of water (353,000 out of stream and 123,000 instream) have been developed. It is now entering into the process of being certified, placed into trust, and ultimately permitted in the next couple of years for uses outlined by Chapter 90.90 RCW. The new appropriation in this request will fund additional projects that support the progress made to date and prepare for developing new supplies in the future.

Specifically, this request will:

- Continue achieving progress on managing water in the Columbia River Basin in a way that helps issue new water rights.

- Protect existing water rights from interruption during drought years.

- Provide water for municipal permits while enhancing instream values by improving stream flows.

This request will strengthen long-term strategic relationships with agricultural, industrial, municipal, and Tribal communities in Eastern Washington.

This request will also provide economic benefits to the state by creating up to 204 jobs per year during the next four years based, on Office of Financial Management estimates.

What are the effects of non-funding?
The original 2006 bill for the program (Engrossed Second Substitute House Bill 2860, codified as Chapter 90.90 RCW) resolved many conflicts among competing water users in the Columbia River Basin. The law established the only process for achieving instream flows and providing water for communities agreed to by all the affected groups. The availability of extensive capital funding was the critical factor in reaching agreement in the Legislature. If funds are not appropriated for the 2025-27 biennium, new water for instream and out-of-stream uses, including municipal, agricultural, Tribal communities, and fish and wildlife, would not be available. Feasibility studies, other contract work currently in process, and new water

Description

supply projects would not be completed or started. In addition, valuable progress made in the past ten years to build a working consensus between historically opposing groups in the basin would likely be lost.

An example of the potential economic impact of not funding this request is illustrated by the Odessa declining aquifer. Right now, 160,000 acres of land in the Odessa Subarea are irrigated with groundwater that, at the current rate of decline, will no longer be a viable source of water within eight to ten years. We have one pumping plant and delivery system online delivering surface water to approximately 10,000 acres of highly productive agriculture lands. Moving another 77,000 acres of groundwater irrigation to surface water irrigation will preserve over 85 billion gallons of water annually for rural, municipal, and industrial uses while maintaining the agricultural economy of the entire region. Continued funding to bring the only alternative water supply available (surface water) to the area is critical to preserving the agricultural economy of that region. Without this, the state could lose as many as 3,600 jobs and $840 million each year in regional sales based on the Office of Financial Management's 2002 Washington Input/Output
Model. (https://ofm.wa.gov/washington-data-research/economy-and-labor-force/washington-input-output-model/2002-washington-input-output-model).

Why is this the best option or alternative?
This request for new appropriations will allow Columbia River Basin water projects to continue in the 2025-27 biennium. ESSHB 2860 (passed in 2006) and the modifications made in 2SHB 1803 (passed in 2011) resolved many conflicts among competing water users in the Columbia River Basin. No other alternatives were considered because this is the only process agreed to by all affected groups. The availability of extensive capital funding was essential to reaching agreement in the Legislature and led to the passage of the bills. Without capital funding, the agreement among numerous affected groups may not hold together.

How will clients be affected and services change if this project is funded?
This request will allow Columbia River projects to continue and new ones to begin, which will expand the portfolio of water available to meet the objectives of Chapter 90.90 RCW. These projects are needed to meet the economic and community development needs of people and the instream flow needs for fish. It is difficult to secure new water for out-of-stream uses due to endangered fish issues and lack of water availability in the Columbia and Snake River Basins.

Some studies (including one funded by Ecology and carried out by the National Academy of Sciences) have warned against issuing unmitigated new water appropriations because of risks to endangered fish in the Columbia River Basin. Continued funding for OCR has allowed and will continue to allow the state to work with interest groups across the community to secure water for new instream and out-of-stream uses in a cooperative and balanced way. Projects funded through OCR will lead to additional economic activity in communities and allow state government to work in partnership with water stakeholders throughout the region.

Focus on Equity:
Target Populations and Communities
Funding targets mostly rural areas without access to sufficient public water supplies and water for families, industry, and farms (out-of-stream), and ecosystems and fish (instream). The Columbia River Water Management Program seeks to meet current and future water needs along the Columbia River and its tributaries. Additionally, this program is working to resolve conflicts over water and provide water security in the face of drought and changing climate.

Stored water from existing reservoirs, enhanced water conservation projects, and infrastructure improvements are making water available for rural and agricultural communities, protecting fisheries that support Tribal customs and values, and

Description

enhances the natural environment. Tribal entities are also eligible grant recipients.

Community Outreach and Engagement
The actions in this budget request were developed out of the process to implement the Columbia River Basin Water Supply Development Program. The ongoing process to implement this plan in cooperation with local, state, federal, and Tribal partners include activities specific to overburdened communities and vulnerable populations, including identified measures within the EIS, outreach with community organizations, and multiple public comment and survey periods throughout the development of the plan.

Disproportional Impact Considerations
There are no anticipated disproportionate negative impacts from this request. The OCR Columbia River Water Supply Development Program is designed to help meet current and future water needs throughout Eastern Washington and to meet the concurrent needs of out-of-stream uses for families, industry, and farms, and instream uses for ecosystems and fish. This work develops additional water supply to provide economic benefit to rural, Tribal, and agricultural communities to support rural areas and under-represented communities, including Tribal nations throughout Eastern Washington, that are most impacted and vulnerable to economic and health risk from interruptions to water supply; are hardest hit by drought or low flows; and that historically have not had access to water rights and/or have inadequate sources of reliable supply.

HEAL Act Agencies Supplemental Questions
See attached.

What is the agency's proposed funding strategy for the project?
New funding is Ecology's preferred strategy to continue the program projects and achieve further progress on delivering water for agriculture, municipalities, businesses, people, fish, and wildlife in the 2025-27 biennium. Additional projects have been approved for funding and are currently in negotiation. Ecology will use 2025-27 appropriations to provide additional project and grant funding in the next biennium and beyond.

The 2006 Legislature authorized $200 million in bonds to expand available water supply in the basin, provide replacement supplies for existing uses, and improve stream flow conditions within the Columbia and Snake Rivers. Prior to statutory amendments made in 2011 (2SHB 1803), the projects were designated as governmental use and funded from non-taxable bond proceeds. Now, projects are recognized as both governmental and non-governmental and require funding from non-taxable and taxable bond proceeds. The Columbia River Basin Taxable Bond Water Supply Development Account was created to comply with federal Internal Revenue Service rules and regulations to fund non-governmental projects. However, the $200 million in bond authorization has been fully appropriated and obligated, so Ecology is requesting new appropriation from the State Building Construction Account (SBCA) and the Columbia River Basin Water Supply Revenue Account.

Funding for this project includes $20,000 to maintain and update the grant or loan applications in the agency systems.

Are FTEs required to support this project?
Ecology's OCR manages both Columbia River and Yakima River Integrated Plan projects. OCR anticipates implementing large-scale projects (construction of water supply storage, fish and aquatic habitat, operational upgrades, delivery modifications and/or other water supply projects and/or acquisitions), etc.) and numerous small-scale habitat projects in 2025-27. To effectively manage the scale and complexity of these projects, OCR anticipates bringing on more project management and fiscal management staff to keep pace with Columbia River Basin implementation. These projects will require 9.4 FTEs to perform all activities related to coordinating development, overseeing feasibility and bid solicitations, EIS

Description

review and implementation, construction management, receipt and confirmation of project deliverables, and implementation of multiple large-scale water supply projects within the Columbia Basin. This is an increase of 2.3 FTEs above the 2023-25 biennium funding level. The increase is necessary due to overall project complexity and the accelerated implementation schedule.

Funding for capital FTE provides grant management and oversight services for all grants issued under the OCR Columbia River Water Supply Development Program. Services include financial management, project management, agreement customer service, EAGL system management and updates, issuance of grant guidance, evaluation of applications, negotiation of initial grant agreements, and future amendments for all grants awarded under the OCR.

Please note that these FTEs support both this new appropriation and other related reappropriation projects under this capital program.

How does the project support the agency and statewide results?
This request is essential to achieving Ecology's - Goal 1: Support and Engage our Communities, Customers, and Employees, Goal 2: Reduce and Prepare for Climate Impacts, and Goal 4: Protect and Manage our State's Water because it will:

- Help meet economic and community needs for reliable water supplies in the Columbia River Basin, while protecting and enhancing river flows for fish.
- Provide infrastructure, within local communities, to ensure water is used more efficiently and instream flows are improved for economic, recreational, and environmental benefit.

This request is essential to achieving the Governor's Results Washington Goal 3: Sustainable Energy and Clean Environment because it will:

- Increase the amount of water instream so fish and wildlife have enough water to live and reproduce to maintain healthy populations.
- Improve fish habitats to ensure:
- Fish can find food to eat.
- Shading from trees and plants is improved.
- Water temperature does not get too high.
- Spawning grounds are available with the right size of gravel.

This request is directly related to implementing the Governor's Salmon Strategy:

- Strategic Priority: 4. Build climate resiliency
- Action: 4b. Columbia River Basin water supply

How will the other state programs or units of government be affected if this project is funded?
Other state agency programs that support economic, community, and agricultural development and that protect and restore fish species will benefit from this request. The Washington Department of Fish and Wildlife is an active partner in identifying the most critical needs for protecting and enhancing stream flows for fish. The Washington State Conservation Commission (SCC) manages on-farm irrigation efficiency improvements. Ecology also funds activities directed by the SCC related to securing potential projects through re-timing studies conducted by the conservation districts. Cities and counties in the Columbia River Basin are strong supporters and active partners. The U.S. Bureau of Reclamation is a funding partner with Ecology in new storage and conservation projects.

As shown in the project list, Ecology is currently working on a broad range of projects. Just as diverse is the spectrum of

Project Number: 40000681
Project Title: 2025-27 Columbia River Water Supply Development Program

Description

partners (in addition to those identified above) that are involved in these projects. The portfolio of participants includes local governments and conservation districts, irrigation districts, municipal water systems, numerous environmental groups, the Washington Farm Bureau, and other agricultural organizations. These organizations are involved not only in providing policy guidance but also as grant recipients and project partners critical to successfully implementing these projects. Funding this request means a wide range of partners will benefit from new water storage and conservation projects, along with the associated jobs and capital investment critical to their local economies.

This request also directly implements the following recommended priority and action in the 2021 Governor's Salmon Strategy update:
- Strategic Priority: 4. Build climate resiliency
- Action: 4b. Columbia River Basin water supply

This request is also related to actions currently proposed in the draft Washington's Climate Resilience Strategy, which is being developed under RCW 70A.05 and will be finalized by September 30, 2024.

Location
City: Statewide **County:** Statewide **Legislative District:** 098

Project Type
Grants

Grant Recipient Organization: Public Agriculture Water Supply Facilities and US. Bureau of Reclamation
RCW that establishes grant: None
Application process used
Grants to local entities for projects developed in cooperation with the Columbia River Basin Policy Advisory Group. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts
N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	296,245,000				56,469,000
296-1	Col River Bas Wtr Su-State	7,415,000				1,415,000
	Total	**303,660,000**	**0**	**0**	**0**	**57,884,000**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State	59,944,000	59,944,000	59,944,000	59,944,000
296-1	Col River Bas Wtr Su-State	1,500,000	1,500,000	1,500,000	1,500,000
	Total	**61,444,000**	**61,444,000**	**61,444,000**	**61,444,000**

Operating Impacts

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Date Run: 8/28/2024 4:18PM

Project Number: 40000681
Project Title: 2025-27 Columbia River Water Supply Development Program

Operating Impacts

No Operating Impact

SubProjects

SubProject Number: 40000682
SubProject Title: Odessa - OGWRP

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 7

Project Summary

Ecology is requesting $57.8 million in new appropriation authority to continue implementing the Columbia River Basin Water Supply Development Program (Chapter 90.90 RCW). This request will fund projects that are in various stages of completion and provide the Office of Columbia River with resources needed to make substantial progress in the 2025-27 biennium. Specifically, these funds will: provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water for pending water right applications; develop new, uninterruptible water supply for those presently subject to interruption during times of drought or low flows; develop new municipal, domestic, industrial, and irrigation water throughout the Columbia River Basin and, place approximately one-third of these new water supplies in-stream to meet the flow needs of fish, wildlife, and recreational users. With this investment, Ecology will help meet the priority needs of the water users in the Columbia River Basin. Related to implementing the Governor's Salmon Strategy and Washington's Climate Resilience Strategy. (State Building Construction Account and Columbia River Basin Water Supply Revenue Recovery Account)

Project Description

Replacing groundwater withdrawals with a surface water source will ease the burden on the declining Odessa Aquifer. Planning, design, engineering, development coordination and construction activities associated with ALL pumping plant and delivery systems for OGWRP.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Public Agriculture Water Supply Facilities and US. Bureau of Reclamation

RCW that establishes grant: None

Application process used

Grants to local entities for projects developed in cooperation with the Columbia River Basin Policy Advisory Group. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

Project Number: 40000681
Project Title: 2025-27 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000682
SubProject Title: Odessa - OGWRP

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	24,200,000				24,200,000
	Total	**24,200,000**	**0**	**0**	**0**	**24,200,000**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000683
SubProject Title: Odessa - OGWRP Technical Support

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 7

Project Summary

Ecology is requesting $57.8 million in new appropriation authority to continue implementing the Columbia River Basin Water Supply Development Program (Chapter 90.90 RCW). This request will fund projects that are in various stages of completion and provide the Office of Columbia River with resources needed to make substantial progress in the 2025-27 biennium. Specifically, these funds will: provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water for pending water right applications; develop new, uninterruptible water supply for those presently subject to interruption during times of drought or low flows; develop new municipal, domestic, industrial, and irrigation water throughout the Columbia River Basin and, place approximately one-third of these new water supplies in-stream to meet the flow needs of fish, wildlife, and recreational users. With this investment, Ecology will help meet the priority needs of the water users in the Columbia River Basin. Related to implementing the Governor's Salmon Strategy and Washington's Climate Resilience Strategy. (State Building Construction Account and Columbia River Basin Water Supply Revenue Recovery Account)

Project Description

US Bureau of Reclamation technical support for OGWRP pumping plant and delivery system design review, construction oversight, realty actions and environmental review.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Number: 40000681
Project Title: 2025-27 Columbia River Water Supply Development Program

SubProjects

Project Type

SubProject Number: 40000683
SubProject Title: Odessa - OGWRP Technical Support

Project Type
Grants

Grant Recipient Organization: Public Agriculture Water Supply Facilities and US. Bureau of Reclamation

RCW that establishes grant: None

Application process used
Grants to local entities for projects developed in cooperation with the Columbia River Basin Policy Advisory Group. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts
N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	800,000				800,000
	Total	**800,000**	**0**	**0**	**0**	**800,000**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000684
SubProject Title: Icicle - Project Implementation

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Report Number: CBS002
Date Run: 8/28/2024 4:18PM

Project Number: 40000681
Project Title: 2025-27 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000684
SubProject Title: Icicle - Project Implementation

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 7

Project Summary

Ecology is requesting $57.8 million in new appropriation authority to continue implementing the Columbia River Basin Water Supply Development Program (Chapter 90.90 RCW). This request will fund projects that are in various stages of completion and provide the Office of Columbia River with resources needed to make substantial progress in the 2025-27 biennium. Specifically, these funds will: provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water for pending water right applications; develop new, uninterruptible water supply for those presently subject to interruption during times of drought or low flows; develop new municipal, domestic, industrial, and irrigation water throughout the Columbia River Basin and, place approximately one-third of these new water supplies in-stream to meet the flow needs of fish, wildlife, and recreational users. With this investment, Ecology will help meet the priority needs of the water users in the Columbia River Basin. Related to implementing the Governor's Salmon Strategy and Washington's Climate Resilience Strategy. (State Building Construction Account and Columbia River Basin Water Supply Revenue Recovery Account)

Project Description

The Icicle Creek Water Resource Management Strategy will implement projects to meet instream and out-of-stream demand and achieve fish propagation demand, protection of instream resources, municipal and other domestic demand and irrigation requirements. In some years (such as 2001, 2005, and 2015), existing needs exceed available supply. Projects to achieve the strategy goals will undergo evaluation for readiness to proceed, environmental review, design, feasibility and/or ultimately construction. One major project likely to advance to construction during 25-27 is Eight mile Dam Rebuild and Restoration.

Location

City: Leavenworth **County:** Chelan **Legislative District:** 012

Project Type

Grants

Grant Recipient Organization: Public Agriculture Water Supply Facilities and US. Bureau of Reclamation
RCW that establishes grant: None
Application process used

Grants to local entities for projects developed in cooperation with the Columbia River Basin Policy Advisory Group. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding		Expenditures			2025-27 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	6,000,000				6,000,000
	Total	**6,000,000**	**0**	**0**	**0**	**6,000,000**

Project Number: 40000681
Project Title: 2025-27 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000684
SubProject Title: Icicle - Project Implementation

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000685
SubProject Title: WDFW Support (General support, Odessa, Icicle, 508-14, Trout Lodg

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 7

Project Summary

Ecology is requesting $57.8 million in new appropriation authority to continue implementing the Columbia River Basin Water Supply Development Program (Chapter 90.90 RCW). This request will fund projects that are in various stages of completion and provide the Office of Columbia River with resources needed to make substantial progress in the 2025-27 biennium. Specifically, these funds will: provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water for pending water right applications; develop new, uninterruptible water supply for those presently subject to interruption during times of drought or low flows; develop new municipal, domestic, industrial, and irrigation water throughout the Columbia River Basin and, place approximately one-third of these new water supplies in-stream to meet the flow needs of fish, wildlife, and recreational users. With this investment, Ecology will help meet the priority needs of the water users in the Columbia River Basin. Related to implementing the Governor's Salmon Strategy and Washington's Climate Resilience Strategy. (State Building Construction Account and Columbia River Basin Water Supply Revenue Recovery Account)

Project Description

Agency costs for species, fish, wildlife and habitat technical assistance related to implementing capital projects.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Project Number: 40000681
Project Title: 2025-27 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000685
SubProject Title: WDFW Support (General support, Odessa, Icicle, 508-14, Trout Lodg

Grant Recipient Organization: Public Agriculture Water Supply Facilities and US. Bureau of Reclamation
RCW that establishes grant: None
Application process used
Grants to local entities for projects developed in cooperation with the Columbia River Basin Policy Advisory Group. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts
N/A

Funding

Acct Code	Account Title	Expenditures: Estimated Total	Expenditures: Prior Biennium	Expenditures: Current Biennium	2025-27 Fiscal Period: Reapprops	2025-27 Fiscal Period: New Approps
057-1	State Bldg Constr-State	2,000,000				2,000,000
	Total	**2,000,000**	**0**	**0**	**0**	**2,000,000**

Acct Code	Account Title	Future Fiscal Periods: 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000686
SubProject Title: OCR Staffing

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Report Number: CBS002
Date Run: 8/28/2024 4:18PM

Project Number: 40000681
Project Title: 2025-27 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000686
SubProject Title: OCR Staffing

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 7

Project Summary

Ecology is requesting $57.8 million in new appropriation authority to continue implementing the Columbia River Basin Water Supply Development Program (Chapter 90.90 RCW). This request will fund projects that are in various stages of completion and provide the Office of Columbia River with resources needed to make substantial progress in the 2025-27 biennium. Specifically, these funds will: provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water for pending water right applications; develop new, uninterruptible water supply for those presently subject to interruption during times of drought or low flows; develop new municipal, domestic, industrial, and irrigation water throughout the Columbia River Basin and, place approximately one-third of these new water supplies in-stream to meet the flow needs of fish, wildlife, and recreational users. With this investment, Ecology will help meet the priority needs of the water users in the Columbia River Basin. Related to implementing the Governor's Salmon Strategy and Washington's Climate Resilience Strategy. (State Building Construction Account and Columbia River Basin Water Supply Revenue Recovery Account)

Project Description

Agency costs for project management, oversight, technical assistance, financial management and administration related to implementing capital projects for both the Columbia River and the Yakima Integrated Plan.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Public Agriculture Water Supply Facilities and US. Bureau of Reclamation
RCW that establishes grant: None
Application process used

Grants to local entities for projects developed in cooperation with the Columbia River Basin Policy Advisory Group. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding		Expenditures			2025-27 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	2,889,000				2,889,000
	Total	**2,889,000**	**0**	**0**	**0**	**2,889,000**

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Report Number: CBS002
Date Run: 8/28/2024 4:18PM

Project Number: 40000681
Project Title: 2025-27 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000686
SubProject Title: OCR Staffing

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000687
SubProject Title: Ecology EAGL Support

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 7

Project Summary

Ecology is requesting $57.8 million in new appropriation authority to continue implementing the Columbia River Basin Water Supply Development Program (Chapter 90.90 RCW). This request will fund projects that are in various stages of completion and provide the Office of Columbia River with resources needed to make substantial progress in the 2025-27 biennium. Specifically, these funds will: provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water for pending water right applications; develop new, uninterruptible water supply for those presently subject to interruption during times of drought or low flows; develop new municipal, domestic, industrial, and irrigation water throughout the Columbia River Basin and, place approximately one-third of these new water supplies in-stream to meet the flow needs of fish, wildlife, and recreational users. With this investment, Ecoloy will help meet the priority needs of the water users in the Columbia River Basin. Related to implementing the Governor’s Salmon Strategy and Washington’s Climate Resilience Strategy. (State Building Construction Account and Columbia River Basin Water Supply Revenue Recovery Account)

Project Description

Maintenance of Ecology's Administration of Grants & Loans (EAGL) system.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Project Number: 40000681
Project Title: 2025-27 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000687
SubProject Title: Ecology EAGL Support

Grant Recipient Organization: Public Agriculture Water Supply Facilities and US. Bureau of Reclamation

RCW that establishes grant: None

Application process used

Grants to local entities for projects developed in cooperation with the Columbia River Basin Policy Advisory Group. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Expenditures: Estimated Total	Expenditures: Prior Biennium	Expenditures: Current Biennium	2025-27 Fiscal Period: Reapprops	2025-27 Fiscal Period: New Approps
057-1	State Bldg Constr-State	20,000				20,000
	Total	**20,000**	**0**	**0**	**0**	**20,000**

Acct Code	Account Title	Future Fiscal Periods: 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000688
SubProject Title: Spokane Tribe Odessa Mitigation

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/28/2024 4:18PM

Project Number: 40000681
Project Title: 2025-27 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000688
SubProject Title: Spokane Tribe Odessa Mitigation

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 7

Project Summary

Ecology is requesting $57.8 million in new appropriation authority to continue implementing the Columbia River Basin Water Supply Development Program (Chapter 90.90 RCW). This request will fund projects that are in various stages of completion and provide the Office of Columbia River with resources needed to make substantial progress in the 2025-27 biennium. Specifically, these funds will: provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water for pending water right applications; develop new, uninterruptible water supply for those presently subject to interruption during times of drought or low flows; develop new municipal, domestic, industrial, and irrigation water throughout the Columbia River Basin and, place approximately one-third of these new water supplies in-stream to meet the flow needs of fish, wildlife, and recreational users. With this investment, Ecology will help meet the priority needs of the water users in the Columbia River Basin. Related to implementing the Governor's Salmon Strategy and Washington's Climate Resilience Strategy. (State Building Construction Account and Columbia River Basin Water Supply Revenue Recovery Account)

Project Description

Final Payment (2 of 2) to the Spokane Tribe for mitigation from loss of power revenue from OGWRP water supply.

Location

City: Unincorporated **County:** Stevens **Legislative District:** 007

Project Type

Grants

Grant Recipient Organization: Public Agriculture Water Supply Facilities and US. Bureau of Reclamation
RCW that establishes grant: None
Application process used

Grants to local entities for projects developed in cooperation with the Columbia River Basin Policy Advisory Group. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding		Expenditures			2025-27 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
296-1	Col River Bas Wtr Su-State	1,415,000				1,415,000
	Total	**1,415,000**	**0**	**0**	**0**	**1,415,000**

Project Number: 40000681
Project Title: 2025-27 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000688
SubProject Title: Spokane Tribe Odessa Mitigation

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
296-1	Col River Bas Wtr Su-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000689
SubProject Title: Walla Walla 2050, Bi-State Flow study, USGS GW study, Reclamation

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 7

Project Summary

Ecology is requesting $57.8 million in new appropriation authority to continue implementing the Columbia River Basin Water Supply Development Program (Chapter 90.90 RCW). This request will fund projects that are in various stages of completion and provide the Office of Columbia River with resources needed to make substantial progress in the 2025-27 biennium. Specifically, these funds will: provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water for pending water right applications; develop new, uninterruptible water supply for those presently subject to interruption during times of drought or low flows; develop new municipal, domestic, industrial, and irrigation water throughout the Columbia River Basin and, place approximately one-third of these new water supplies in-stream to meet the flow needs of fish, wildlife, and recreational users. With this investment, Ecology will help meet the priority needs of the water users in the Columbia River Basin. Related to implementing the Governor's Salmon Strategy and Washington's Climate Resilience Strategy. (State Building Construction Account and Columbia River Basin Water Supply Revenue Recovery Account)

Project Description

Funding to complete several on-going studies, provide programmatic structure to implement the Walla Walla 2050 Strategic Plan and initiate a programmatic Environmental Impact Statement on the recent flow enhancement study of the Walla Walla Basin that examines approaches to enhancing flows in the Basin. Please Note – The Walla Walla Basin includes area in both Washington as well as Oregon and sits on the boundary of both states. The headwaters of the basin are located in Oregon and flow across Washington to the Snake / Columbia River system. This project will conduct work that includes water supply solutions for the entire watershed.

Location

City: Walla Walla **County:** Walla Walla **Legislative District:** 016

Project Type

Grants

Project Number: 40000681
Project Title: 2025-27 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000689
SubProject Title: Walla Walla 2050, Bi-State Flow study, USGS GW study, Reclamation

Grant Recipient Organization: Public Agriculture Water Supply Facilities and US. Bureau of Reclamation

RCW that establishes grant: None

Application process used

Grants to local entities for projects developed in cooperation with the Columbia River Basin Policy Advisory Group. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Expenditures: Estimated Total	Expenditures: Prior Biennium	Expenditures: Current Biennium	2025-27 Fiscal Period: Reapprops	2025-27 Fiscal Period: New Approps
057-1	State Bldg Constr-State	4,800,000				4,800,000
	Total	**4,800,000**	**0**	**0**	**0**	**4,800,000**

Acct Code	Account Title	Future Fiscal Periods: 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000690
SubProject Title: FDR payment

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/28/2024 4:18PM

Project Number: 40000681
Project Title: 2025-27 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000690
SubProject Title: FDR payment

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 7

Project Summary

Ecology is requesting $57.8 million in new appropriation authority to continue implementing the Columbia River Basin Water Supply Development Program (Chapter 90.90 RCW). This request will fund projects that are in various stages of completion and provide the Office of Columbia River with resources needed to make substantial progress in the 2025-27 biennium. Specifically, these funds will: provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water for pending water right applications; develop new, uninterruptible water supply for those presently subject to interruption during times of drought or low flows; develop new municipal, domestic, industrial, and irrigation water throughout the Columbia River Basin and, place approximately one-third of these new water supplies in-stream to meet the flow needs of fish, wildlife, and recreational users. With this investment, Ecology will help meet the priority needs of the water users in the Columbia River Basin. Related to implementing the Governor's Salmon Strategy and Washington's Climate Resilience Strategy. (State Building Construction Account and Columbia River Basin Water Supply Revenue Recovery Account)

Project Description

Water service contract with USBR to provide water from Lake Roosevelt to end users. The water will be used to benefit municipal/industrial supply, the Odessa Subarea interruptible water right holders and instream flows. This is the next installment to maintain the existing lease agreement that runs through 2051.

Location

City: Coulee Dam **County:** Okanogan **Legislative District:** 012

Project Type

Grants

Grant Recipient Organization: Public Agriculture Water Supply Facilities and US. Bureau of Reclamation
RCW that establishes grant: None
Application process used

Grants to local entities for projects developed in cooperation with the Columbia River Basin Policy Advisory Group. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding			Expenditures		2025-27 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	1,000,000				1,000,000
	Total	**1,000,000**	**0**	**0**	**0**	**1,000,000**

Project Number: 40000681
Project Title: 2025-27 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000690
SubProject Title: FDR payment

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000691
SubProject Title: Quad Cities (City of West Richland/Richland, Pasco) - ASR

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 7

Project Summary

Ecology is requesting $57.8 million in new appropriation authority to continue implementing the Columbia River Basin Water Supply Development Program (Chapter 90.90 RCW). This request will fund projects that are in various stages of completion and provide the Office of Columbia River with resources needed to make substantial progress in the 2025-27 biennium. Specifically, these funds will: provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water for pending water right applications; develop new, uninterruptible water supply for those presently subject to interruption during times of drought or low flows; develop new municipal, domestic, industrial, and irrigation water throughout the Columbia River Basin and, place approximately one-third of these new water supplies in-stream to meet the flow needs of fish, wildlife, and recreational users. With this investment, Ecology will help meet the priority needs of the water users in the Columbia River Basin. Related to implementing the Governor's Salmon Strategy and Washington's Climate Resilience Strategy. (State Building Construction Account and Columbia River Basin Water Supply Revenue Recovery Account)

Project Description

Drill and test sites to locate potential aquifer storage and recovery (ASR) opportunities. ASR projects store water in underground aquifers until needed.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Project Number: 40000681
Project Title: 2025-27 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000691
SubProject Title: Quad Cities (City of West Richland/Richland, Pasco) - ASR

Grant Recipient Organization: Public Agriculture Water Supply Facilities and US. Bureau of Reclamation

RCW that establishes grant: None

Application process used

Grants to local entities for projects developed in cooperation with the Columbia River Basin Policy Advisory Group. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Expenditures: Estimated Total	Prior Biennium	Current Biennium	2025-27 Fiscal Period: Reapprops	New Approps
057-1	State Bldg Constr-State	3,000,000				3,000,000
	Total	**3,000,000**	**0**	**0**	**0**	**3,000,000**

Acct Code	Account Title	Future Fiscal Periods: 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000692
SubProject Title: Columbia Basin ASR

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/28/2024 4:18PM

Project Number: 40000681
Project Title: 2025-27 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000692
SubProject Title: Columbia Basin ASR

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 7

Project Summary

Ecology is requesting $57.8 million in new appropriation authority to continue implementing the Columbia River Basin Water Supply Development Program (Chapter 90.90 RCW). This request will fund projects that are in various stages of completion and provide the Office of Columbia River with resources needed to make substantial progress in the 2025-27 biennium. Specifically, these funds will: provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water for pending water right applications; develop new, uninterruptible water supply for those presently subject to interruption during times of drought or low flows; develop new municipal, domestic, industrial, and irrigation water throughout the Columbia River Basin and, place approximately one-third of these new water supplies in-stream to meet the flow needs of fish, wildlife, and recreational users. With this investment, Ecology will help meet the priority needs of the water users in the Columbia River Basin. Related to implementing the Governor's Salmon Strategy and Washington's Climate Resilience Strategy. (State Building Construction Account and Columbia River Basin Water Supply Revenue Recovery Account)

Project Description

Within the greater Columbia basin including the area encompassed by the federal Columbia Basin Irrigation Project, drill and test sites to locate potential aquifer storage and recovery (ASR) opportunities for various municipalities. ASR water supply projects store water in underground aquifers until needed. (Rilette, Quincy, Othello, Goldendale, White Salmon, and potentially others.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Public Agriculture Water Supply Facilities and US. Bureau of Reclamation
RCW that establishes grant: None
Application process used

Grants to local entities for projects developed in cooperation with the Columbia River Basin Policy Advisory Group. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding		Expenditures			2025-27 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	2,500,000				2,500,000
	Total	**2,500,000**	**0**	**0**	**0**	**2,500,000**

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/28/2024 4:18PM

Project Number: 40000681
Project Title: 2025-27 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000692
SubProject Title: Columbia Basin ASR

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000693
SubProject Title: Odessa - mitigation

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 7

Project Summary

Ecology is requesting $57.8 million in new appropriation authority to continue implementing the Columbia River Basin Water Supply Development Program (Chapter 90.90 RCW). This request will fund projects that are in various stages of completion and provide the Office of Columbia River with resources needed to make substantial progress in the 2025-27 biennium. Specifically, these funds will: provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water for pending water right applications; develop new, uninterruptible water supply for those presently subject to interruption during times of drought or low flows; develop new municipal, domestic, industrial, and irrigation water throughout the Columbia River Basin and, place approximately one-third of these new water supplies in-stream to meet the flow needs of fish, wildlife, and recreational users. With this investment, Ecology will help meet the priority needs of the water users in the Columbia River Basin. Related to implementing the Governor's Salmon Strategy and Washington's Climate Resilience Strategy. (State Building Construction Account and Columbia River Basin Water Supply Revenue Recovery Account)

Project Description

SEPA Mitigation-related projects to facilitate replacing groundwater withdrawals with a surface water source that will ease the burden on the aquifers. Additional baseline monitoring for the Odessa Subarea aquifer for comparative purposes going forward when OGWRP wells are retired. Includes transducers and/or other necessary equipment.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Project Number: 40000681
Project Title: 2025-27 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000693
SubProject Title: Odessa - mitigation

Grant Recipient Organization: Public Agriculture Water Supply Facilities and US. Bureau of Reclamation

RCW that establishes grant: None

Application process used

Grants to local entities for projects developed in cooperation with the Columbia River Basin Policy Advisory Group. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Expenditures: Estimated Total	Expenditures: Prior Biennium	Expenditures: Current Biennium	2025-27 Fiscal Period: Reapprops	2025-27 Fiscal Period: New Approps
057-1	State Bldg Constr-State	600,000				600,000
	Total	**600,000**	**0**	**0**	**0**	**600,000**

Acct Code	Account Title	Future Fiscal Periods: 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000694
SubProject Title: CRPAG & WASACC facilitation & Leg Report

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/28/2024 4:18PM

Project Number: 40000681
Project Title: 2025-27 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000694
SubProject Title: CRPAG & WASACC facilitation & Leg Report

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 7

Project Summary

Ecology is requesting $57.8 million in new appropriation authority to continue implementing the Columbia River Basin Water Supply Development Program (Chapter 90.90 RCW). This request will fund projects that are in various stages of completion and provide the Office of Columbia River with resources needed to make substantial progress in the 2025-27 biennium. Specifically, these funds will: provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water for pending water right applications; develop new, uninterruptible water supply for those presently subject to interruption during times of drought or low flows; develop new municipal, domestic, industrial, and irrigation water throughout the Columbia River Basin and, place approximately one-third of these new water supplies in-stream to meet the flow needs of fish, wildlife, and recreational users. With this investment, Ecology will help meet the priority needs of the water users in the Columbia River Basin. Related to implementing the Governor's Salmon Strategy and Washington's Climate Resilience Strategy. (State Building Construction Account and Columbia River Basin Water Supply Revenue Recovery Account)

Project Description

Agency costs for stakeholder facilitation and consultant legislative report management and technical assistance related to implementing capital projects.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Public Agriculture Water Supply Facilities and US. Bureau of Reclamation
RCW that establishes grant: None
Application process used

Grants to local entities for projects developed in cooperation with the Columbia River Basin Policy Advisory Group. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding		Expenditures			2025-27 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	600,000				600,000
	Total	**600,000**	**0**	**0**	**0**	**600,000**

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/28/2024 4:18PM

Project Number: 40000681
Project Title: 2025-27 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000694
SubProject Title: CRPAG & WASACC facilitation & Leg Report

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000695
SubProject Title: Pasco Basin Water Supply (508-14)

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 7

Project Summary

Ecology is requesting $57.8 million in new appropriation authority to continue implementing the Columbia River Basin Water Supply Development Program (Chapter 90.90 RCW). This request will fund projects that are in various stages of completion and provide the Office of Columbia River with resources needed to make substantial progress in the 2025-27 biennium. Specifically, these funds will: provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water for pending water right applications; develop new, uninterruptible water supply for those presently subject to interruption during times of drought or low flows; develop new municipal, domestic, industrial, and irrigation water throughout the Columbia River Basin and, place approximately one-third of these new water supplies in-stream to meet the flow needs of fish, wildlife, and recreational users. With this investment, Ecology will help meet the priority needs of the water users in the Columbia River Basin. Related to implementing the Governor's Salmon Strategy and Washington's Climate Resilience Strategy. (State Building Construction Account and Columbia River Basin Water Supply Revenue Recovery Account)

Project Description

Explore infrastructure and technical requirements for Ecology to implement the current rule, 508-14 WAC, which allows the Agency to issue groundwater permits in parts of Adams, Grant, and Franklin counties. Issue groundwater management area under RCW 90.44 and under RCW 89.12.170, and RCW 90.44.130.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Project Number: 40000681
Project Title: 2025-27 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000695
SubProject Title: Pasco Basin Water Supply (508-14)

Grant Recipient Organization: Public Agriculture Water Supply Facilities and US. Bureau of Reclamation

RCW that establishes grant: None

Application process used

Grants to local entities for projects developed in cooperation with the Columbia River Basin Policy Advisory Group. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Expenditures: Estimated Total	Expenditures: Prior Biennium	Expenditures: Current Biennium	2025-27 Fiscal Period: Reapprops	2025-27 Fiscal Period: New Approps
057-1	State Bldg Constr-State	300,000				300,000
	Total	**300,000**	**0**	**0**	**0**	**300,000**

Acct Code	Account Title	Future Fiscal Periods: 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000696
SubProject Title: Switzler Water Supply Storage Reservoir EIS completion

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Project Number: 40000681
Project Title: 2025-27 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000696
SubProject Title: Switzler Water Supply Storage Reservoir EIS completion

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 7

Project Summary

Ecology is requesting $57.8 million in new appropriation authority to continue implementing the Columbia River Basin Water Supply Development Program (Chapter 90.90 RCW). This request will fund projects that are in various stages of completion and provide the Office of Columbia River with resources needed to make substantial progress in the 2025-27 biennium. Specifically, these funds will: provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water for pending water right applications; develop new, uninterruptible water supply for those presently subject to interruption during times of drought or low flows; develop new municipal, domestic, industrial, and irrigation water throughout the Columbia River Basin and, place approximately one-third of these new water supplies in-stream to meet the flow needs of fish, wildlife, and recreational users. With this investment, Ecology will help meet the priority needs of the water users in the Columbia River Basin. Related to implementing the Governor's Salmon Strategy and Washington's Climate Resilience Strategy. (State Building Construction Account and Columbia River Basin Water Supply Revenue Recovery Account)

Project Description

Completion of an Environmental Impact Statement (EIS) related to storage project. A water supply storage reservoir off-channel Columbia River mainstem - in collaboration with Benton and Klickitat Counties, Horse Heaven Hills.

Location

City: Unincorporated **County:** Benton **Legislative District:** 016

Project Type

Grants

Grant Recipient Organization: Public Agriculture Water Supply Facilities and US. Bureau of Reclamation
RCW that establishes grant: None
Application process used

Grants to local entities for projects developed in cooperation with the Columbia River Basin Policy Advisory Group. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding		Expenditures			2025-27 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	150,000				150,000
	Total	**150,000**	**0**	**0**	**0**	**150,000**

Project Number: 40000681
Project Title: 2025-27 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000696
SubProject Title: Switzler Water Supply Storage Reservoir EIS completion

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000697
SubProject Title: 2026 Supply and Demand Forecast Research & Report

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 7

Project Summary

Ecology is requesting $57.8 million in new appropriation authority to continue implementing the Columbia River Basin Water Supply Development Program (Chapter 90.90 RCW). This request will fund projects that are in various stages of completion and provide the Office of Columbia River with resources needed to make substantial progress in the 2025-27 biennium. Specifically, these funds will: provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water for pending water right applications; develop new, uninterruptible water supply for those presently subject to interruption during times of drought or low flows; develop new municipal, domestic, industrial, and irrigation water throughout the Columbia River Basin and, place approximately one-third of these new water supplies in-stream to meet the flow needs of fish, wildlife, and recreational users. With this investment, Ecology will help meet the priority needs of the water users in the Columbia River Basin. Related to implementing the Governor's Salmon Strategy and Washington's Climate Resilience Strategy. (State Building Construction Account and Columbia River Basin Water Supply Revenue Recovery Account)

Project Description

The Office of the Columbia River must develop a long-term water supply and demand forecast every five years, pursuant to RCW 90.90.040. Following the 2021 Report, work on lessons learned and next steps for the 2026 Forecast. Includes continued groundwater refinement and necessary equipment to expand groundwater monitoring throughout the Columbia Basin.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Project Number: 40000681
Project Title: 2025-27 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000697
SubProject Title: 2026 Supply and Demand Forecast Research & Report

Grant Recipient Organization: Public Agriculture Water Supply Facilities and US. Bureau of Reclamation

RCW that establishes grant: None

Application process used

Grants to local entities for projects developed in cooperation with the Columbia River Basin Policy Advisory Group. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Expenditures: Estimated Total	Expenditures: Prior Biennium	Expenditures: Current Biennium	2025-27 Fiscal Period: Reapprops	2025-27 Fiscal Period: New Approps
057-1	State Bldg Constr-State	1,660,000				1,660,000
	Total	**1,660,000**	**0**	**0**	**0**	**1,660,000**

Acct Code	Account Title	Future Fiscal Periods: 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000698
SubProject Title: WW lease

Version: 02 2025-27 Agency Request

Report Number: CBS002
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Project Number: **40000681**
Project Title: **2025-27 Columbia River Water Supply Development Program**

SubProjects

SubProject Number: **40000698**
SubProject Title: **WW lease**

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 7

Project Summary

Ecology is requesting $57.8 million in new appropriation authority to continue implementing the Columbia River Basin Water Supply Development Program (Chapter 90.90 RCW). This request will fund projects that are in various stages of completion and provide the Office of Columbia River with resources needed to make substantial progress in the 2025-27 biennium. Specifically, these funds will: provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water for pending water right applications; develop new, uninterruptible water supply for those presently subject to interruption during times of drought or low flows; develop new municipal, domestic, industrial, and irrigation water throughout the Columbia River Basin and, place approximately one-third of these new water supplies in-stream to meet the flow needs of fish, wildlife, and recreational users. With this investment, Ecology will help meet the priority needs of the water users in the Columbia River Basin. Related to implementing the Governor's Salmon Strategy and Washington's Climate Resilience Strategy. (State Building Construction Account and Columbia River Basin Water Supply Revenue Recovery Account)

Project Description

OCR would issue term permits from 4,761 ac-ft of water leased from the Port of Walla Walla. The term permits provide water on a temporary basis, allowing time for water users to find a permanent supply. The term permits expire when the lease expires (up to 10 years). This is the next installment to maintain a new lease agreement that would run through 2030.

Location

City: Unincorporated **County:** Walla Walla **Legislative District:** 016

Project Type

Grants

Grant Recipient Organization: Public Agriculture Water Supply Facilities and US. Bureau of Reclamation
RCW that establishes grant: None
Application process used

Grants to local entities for projects developed in cooperation with the Columbia River Basin Policy Advisory Group. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding		Expenditures			2025-27 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	1,000,000				1,000,000
	Total	**1,000,000**	**0**	**0**	**0**	**1,000,000**

Version: 02 2025-27 Agency Request

Report Number: CBS002
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Project Number: 40000681
Project Title: 2025-27 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000698
SubProject Title: WW lease

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000699
SubProject Title: Feed Route

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 7

Project Summary

Ecology is requesting $57.8 million in new appropriation authority to continue implementing the Columbia River Basin Water Supply Development Program (Chapter 90.90 RCW). This request will fund projects that are in various stages of completion and provide the Office of Columbia River with resources needed to make substantial progress in the 2025-27 biennium. Specifically, these funds will: provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water for pending water right applications; develop new, uninterruptible water supply for those presently subject to interruption during times of drought or low flows; develop new municipal, domestic, industrial, and irrigation water throughout the Columbia River Basin and, place approximately one-third of these new water supplies in-stream to meet the flow needs of fish, wildlife, and recreational users. With this investment, Ecology will help meet the priority needs of the water users in the Columbia River Basin. Related to implementing the Governor's Salmon Strategy and Washington's Climate Resilience Strategy. (State Building Construction Account and Columbia River Basin Water Supply Revenue Recovery Account)

Project Description

As part of the Odessa Groundwater Replacement Project the Potholes Supplemental Feed Route project provides a more reliable source of Columbia Basin Project water to the southern portion of the Columbia Basin Project by delivering additional "make up" water to Potholes Reservoir due to the fact that the East Low Canal is no longer able to convey this water supply due to OGWRP. The water is conveyed via Crab Creek and the Frenchman Hills Wasteway.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Project Number: 40000681
Project Title: 2025-27 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000699
SubProject Title: Feed Route

Grant Recipient Organization: Public Agriculture Water Supply Facilities and US. Bureau of Reclamation

RCW that establishes grant: None

Application process used

Grants to local entities for projects developed in cooperation with the Columbia River Basin Policy Advisory Group. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Expenditures: Estimated Total	Expenditures: Prior Biennium	Expenditures: Current Biennium	2025-27 Fiscal Period: Reapprops	2025-27 Fiscal Period: New Approps
057-1	State Bldg Constr-State	1,300,000				1,300,000
	Total	**1,300,000**	**0**	**0**	**0**	**1,300,000**

Acct Code	Account Title	Future Fiscal Periods: 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000700
SubProject Title: Columbia River Mainstem Drought Insurance

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Report Number: CBS002
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Project Number: 40000681
Project Title: 2025-27 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000700
SubProject Title: Columbia River Mainstem Drought Insurance

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 7

Project Summary

Ecology is requesting $57.8 million in new appropriation authority to continue implementing the Columbia River Basin Water Supply Development Program (Chapter 90.90 RCW). This request will fund projects that are in various stages of completion and provide the Office of Columbia River with resources needed to make substantial progress in the 2025-27 biennium. Specifically, these funds will: provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water for pending water right applications; develop new, uninterruptible water supply for those presently subject to interruption during times of drought or low flows; develop new municipal, domestic, industrial, and irrigation water throughout the Columbia River Basin and, place approximately one-third of these new water supplies in-stream to meet the flow needs of fish, wildlife, and recreational users. With this investment, Ecology will help meet the priority needs of the water users in the Columbia River Basin. Related to implementing the Governor's Salmon Strategy and Washington's Climate Resilience Strategy. (State Building Construction Account and Columbia River Basin Water Supply Revenue Recovery Account)

Project Description

Water right change and acquisitions that support instream and out-of-stream demands.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Public Agriculture Water Supply Facilities and US. Bureau of Reclamation
RCW that establishes grant: None
Application process used

Grants to local entities for projects developed in cooperation with the Columbia River Basin Policy Advisory Group. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding		Expenditures			2025-27 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	1,000,000				1,000,000
	Total	**1,000,000**	**0**	**0**	**0**	**1,000,000**

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Report Number: CBS002
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Project Number: 40000681
Project Title: 2025-27 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000700
SubProject Title: Columbia River Mainstem Drought Insurance

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000701
SubProject Title: Methow Community and affordable Housing Water Supply

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 7

Project Summary

Ecology is requesting $57.8 million in new appropriation authority to continue implementing the Columbia River Basin Water Supply Development Program (Chapter 90.90 RCW). This request will fund projects that are in various stages of completion and provide the Office of Columbia River with resources needed to make substantial progress in the 2025-27 biennium. Specifically, these funds will: provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water for pending water right applications; develop new, uninterruptible water supply for those presently subject to interruption during times of drought or low flows; develop new municipal, domestic, industrial, and irrigation water throughout the Columbia River Basin and, place approximately one-third of these new water supplies in-stream to meet the flow needs of fish, wildlife, and recreational users. With this investment, Ecology will help meet the priority needs of the water users in the Columbia River Basin. Related to implementing the Governor's Salmon Strategy and Washington's Climate Resilience Strategy. (State Building Construction Account and Columbia River Basin Water Supply Revenue Recovery Account)

Project Description

Methow Community (Winthrop) and affordable Housing Water Supply - Projects that support instream and out-of-stream demands and meet RCW 90.90 mandates.

Location

City: Winthrop **County:** Okanogan **Legislative District:** 007

Project Type

Grants

Project Number: 40000681
Project Title: 2025-27 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000701
SubProject Title: Methow Community and affordable Housing Water Supply

Grant Recipient Organization: Public Agriculture Water Supply Facilities and US. Bureau of Reclamation

RCW that establishes grant: None

Application process used

Grants to local entities for projects developed in cooperation with the Columbia River Basin Policy Advisory Group. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Expenditures: Estimated Total	Prior Biennium	Current Biennium	2025-27 Fiscal Period: Reapprops	New Approps
057-1	State Bldg Constr-State	2,000,000				2,000,000
	Total	**2,000,000**	**0**	**0**	**0**	**2,000,000**

Acct Code	Account Title	Future Fiscal Periods: 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000702
SubProject Title: Small municipal source exploration

Project Number: **40000681**
Project Title: **2025-27 Columbia River Water Supply Development Program**

SubProjects

SubProject Number: **40000702**
SubProject Title: **Small municipal source exploration**

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 7

Project Summary

Ecology is requesting $57.8 million in new appropriation authority to continue implementing the Columbia River Basin Water Supply Development Program (Chapter 90.90 RCW). This request will fund projects that are in various stages of completion and provide the Office of Columbia River with resources needed to make substantial progress in the 2025-27 biennium. Specifically, these funds will: provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water for pending water right applications; develop new, uninterruptible water supply for those presently subject to interruption during times of drought or low flows; develop new municipal, domestic, industrial, and irrigation water throughout the Columbia River Basin and, place approximately one-third of these new water supplies in-stream to meet the flow needs of fish, wildlife, and recreational users. With this investment, Ecology will help meet the priority needs of the water users in the Columbia River Basin. Related to implementing the Governor's Salmon Strategy and Washington's Climate Resilience Strategy. (State Building Construction Account and Columbia River Basin Water Supply Revenue Recovery Account)

Project Description

Exploring additional water supply sources for small municipal systems, including White Salmon & Colville Tribe and other municipalities in the greater Columbia Basin. This funding provides for engineering studies, water supply alternatives analysis and other exploratory efforts to solve water supply problems when they arise.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Public Agriculture Water Supply Facilities and US. Bureau of Reclamation
RCW that establishes grant: None
Application process used

Grants to local entities for projects developed in cooperation with the Columbia River Basin Policy Advisory Group. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding		Expenditures			2025-27 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	400,000				400,000
	Total	**400,000**	**0**	**0**	**0**	**400,000**

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Report Number: CBS002
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Project Number: 40000681
Project Title: 2025-27 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000702
SubProject Title: Small municipal source exploration

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000703
SubProject Title: Columbia River Interruptibles

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 7

Project Summary

Ecology is requesting $57.8 million in new appropriation authority to continue implementing the Columbia River Basin Water Supply Development Program (Chapter 90.90 RCW). This request will fund projects that are in various stages of completion and provide the Office of Columbia River with resources needed to make substantial progress in the 2025-27 biennium. Specifically, these funds will: provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water for pending water right applications; develop new, uninterruptible water supply for those presently subject to interruption during times of drought or low flows; develop new municipal, domestic, industrial, and irrigation water throughout the Columbia River Basin and, place approximately one-third of these new water supplies in-stream to meet the flow needs of fish, wildlife, and recreational users. With this investment, Ecology will help meet the priority needs of the water users in the Columbia River Basin. Related to implementing the Governor's Salmon Strategy and Washington's Climate Resilience Strategy. (State Building Construction Account and Columbia River Basin Water Supply Revenue Recovery Account)

Project Description

Water supply development projects to meet the demands of existing interruptible water rights.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Project Number: 40000681
Project Title: 2025-27 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000703
SubProject Title: Columbia River Interruptibles

Grant Recipient Organization: Public Agriculture Water Supply Facilities and US. Bureau of Reclamation

RCW that establishes grant: None

Application process used

Grants to local entities for projects developed in cooperation with the Columbia River Basin Policy Advisory Group. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Expenditures: Estimated Total	Expenditures: Prior Biennium	Expenditures: Current Biennium	2025-27 Fiscal Period: Reapprops	2025-27 Fiscal Period: New Approps
057-1	State Bldg Constr-State	250,000				250,000
	Total	**250,000**	**0**	**0**	**0**	**250,000**

Acct Code	Account Title	Future Fiscal Periods: 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000704
SubProject Title: 2025-27 Columbia River Water Supply Dev Program Ten Year Fin Plan

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/28/2024 4:18PM

Project Number: **40000681**
Project Title: **2025-27 Columbia River Water Supply Development Program**

SubProjects

SubProject Number: **40000704**
SubProject Title: **2025-27 Columbia River Water Supply Dev Program Ten Year Fin Plan**

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 7

Project Summary

Ecology is requesting $57.8 million in new appropriation authority to continue implementing the Columbia River Basin Water Supply Development Program (Chapter 90.90 RCW). This request will fund projects that are in various stages of completion and provide the Office of Columbia River with resources needed to make substantial progress in the 2025-27 biennium. Specifically, these funds will: provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water for pending water right applications; develop new, uninterruptible water supply for those presently subject to interruption during times of drought or low flows; develop new municipal, domestic, industrial, and irrigation water throughout the Columbia River Basin and, place approximately one-third of these new water supplies in-stream to meet the flow needs of fish, wildlife, and recreational users. With this investment, Ecology will help meet the priority needs of the water users in the Columbia River Basin. Related to implementing the Governor's Salmon Strategy and Washington's Climate Resilience Strategy. (State Building Construction Account and Columbia River Basin Water Supply Revenue Recovery Account)

Project Description

Ten year financial plan

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Public Agriculture Water Supply Facilities and US. Bureau of Reclamation
RCW that establishes grant: None
Application process used

Grants to local entities for projects developed in cooperation with the Columbia River Basin Policy Advisory Group. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding			Expenditures		2025-27 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	239,776,000				
	Total	**239,776,000**	**0**	**0**	**0**	**0**

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/28/2024 4:18PM

Project Number: 40000681
Project Title: 2025-27 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000704
SubProject Title: 2025-27 Columbia River Water Supply Dev Program Ten Year Fin Plan

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
296-1	Col River Bas Wtr Su-State	6,000,000				
	Total	**6,000,000**	**0**	**0**	**0**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State	59,944,000	59,944,000	59,944,000	59,944,000
	Total	**59,944,000**	**59,944,000**	**59,944,000**	**59,944,000**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
296-1	Col River Bas Wtr Su-State	1,500,000	1,500,000	1,500,000	1,500,000
	Total	**1,500,000**	**1,500,000**	**1,500,000**	**1,500,000**

Operating Impacts

No Operating Impact

Ecology 2025-27 Biennium Capital Budget Project List
Office of Columbia River
Columbia River Basin Water Supply Program

August 2024

Purpose: This project was authorized by the Legislature in 2006 to expand available water supply in the Columbia Basin, provide replacement water supplies for some unsustainable existing uses, and improve streamflow conditions in the Columbia and Snake Rivers. Ecology's Office of Columbia River manages the program. Projects and funding amounts are subject to change periodically as individual project scope and feasibility are determined and/or changed to enable Ecology to implement the best water supply solutions available. The Columbia River Policy Advisory Group (CRPAG) provides guidance on project selection and timing.

Rank	Project Title	Project Description	Amount	Site Address	City	County	Leg. District	WRIA	Lat.	Long.
1	Odessa - OGWRP	Replacing groundwater withdrawals with a surface water source will ease the burden on the declining Odessa Aquifer. Planning, design, engineering, development coordination and construction activities associated with ALL pumping plant and delivery systems for OGWRP.	24,200,000	Various	TBD	Grant, Adams	9,13	41,43	Multiple Project Locations	
1	Odessa - OGWRP	US Bureau of Reclamation technical support for OGWRP pumping plant and delivery system design review, construction oversight, realty actions and environmental review.	800,000	Various	TBD	Grant, Adams	9, 13	41,43	Multiple Project Locations	
1	Icicle - project implementation	The Icicle Creek Water Resource Management Strategy will implement projects to meet instream and out-of-stream demand and achieve fish propagation demand, protection of instream resources, municipal and other domestic demand and irrigation requirements. In some years (such as 2001, 2005, and 2015), existing needs exceed available supply. Projects to achieve the strategy goals will undergo evaluation for readiness to proceed, environmental review, design, feasibility and/or ultimately construction. One major project likely to advance to construction during 25-27 is Eight mile Dam Rebuild and Restoration	6,000,000	Fish Hatchery Road	Leavenworth	Chelan	12	45	Multiple Project Locations	
1	WDFW Support (General support, Odessa, Icicle, 508-14, Trout Lodge, PSFR)	Agency costs for species, fish, wildlife and habitat technical assistance related to implementing capital projects.	2,000,000	N/A	Various	Various	N/A	Multiple	No Geographic Location	
1	OCR Staffing	Agency costs for project management, oversight, technical assistance, financial management and administration related to implementing capital projects for both the Columbia River and the Yakima Integrated Plan.	2,889,000	N/A	Various	Various	N/A	Multiple	No Geographic Location	
1	Ecology EAGL Support	Maintenance of Ecology's Administration of Grants & Loans (EAGL) system.	20,000	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1	Spokane Tribe Odessa Mitigation	Final Payment (2 of 2) to the Spokane Tribe for mitigation from loss of power revenue from OGWRP water supply.	1,415,000	6195 Ford-Wellpinit Rod	Wellpinit	Stevens	N/A	N/A	N/A	N/A
1	Walla Walla 2050, Bi-State Flow study, USGS GW study, Reclamation-Ecology Walla Walla basin study.	Funding to complete several on-going studies, provide programmatic structure to implement the Walla Walla 2050 Strategic Plan and initiate a programmatic Environmental Impact Statement on the recent flow enhancement study of the Walla Walla Basin that examines approaches to enhancing flows in the Basin. Please Note – The Walla Walla Basin includes area in both Washington as well as Oregon and sits on the boundary of both states. The headwaters of the basin are located in Oregon and flow across Washington to the Snake / Columbia River system. This project will conduct work that includes water supply solutions for the entire watershed.	4,800,000	405 West Main Street	Walla Walla	Walla Walla	16	32	46.06	-118.35
1	FDR payment	Water service contract with USBR to provide water from Lake Roosevelt to end users. The water will be used to benefit municipal/industrial supply, the Odessa Subarea interruptible water right holders and instream flows. This is the next installment to maintain the existing lease agreement that runs through 2051.	1,000,000	Grand Coulee Dam	Coulee	Okanogan	12	42	47.96	-118.98
2	Quad Cities (City of West Richland/Richland, Pasco) - ASR	Drill and test sites to locate potential aquifer storage and recovery (ASR) opportunities. ASR projects store water in underground aquifers until needed.	3,000,000	Various	TBD	Various	8,16	TBD	Multiple Project Locations	
2	Columbia Basin ASR	Within the greater Columbia basin including the area encompassed by the federal Columbia Basin Irrigation Project, drill and test sites to locate potential aquifer storage and recovery (ASR) opportunities for various municipalities. ASR water supply projects store water in underground aquifers until needed. (Rilette, Quincy, Othello, Goldendale, White Salmon, and potentially others.	2,500,000	Various	TBD	Various	Various	TBD	TBD	TBD

Rank	Project Title	Project Description	Amount	Site Address	City	County	Leg. District	WRIA	Lat.	Long.
2	Odessa - mitigation	SEPA Mitigation-related projects to facilitate replacing groundwater withdrawals with a surface water source that will ease the burden on the aquifers. Additional baseline monitoring for the Odessa Subarea aquifer for comparative purposes going forward when OGWRP wells are retired. Includes transducers and/or other necessary equipment.	600,000	Various	Various	Grant, Adams	9,13	TBD	Multiple Project Locations	
2	CRPAG & WASACC facilitation & Leg Report	Agency costs for stakeholder facilitation and consultant legislative report management a nd technical assistance related to implementing capital projects.	600,000	Various	N/A	Grant, Adams	N/A	N/A	No Geographic Location	
2	Pasco Basin Water Supply (508-14)	Explore infrastructure and technical requirements for Ecology to implement the current rule, 508-14 WAC, which allows the Agency to issue groundwater permits in parts of Adams, Grant, and Franklin counties. Issue groundwater management area under RCW 90.44 and under RCW 89.12.170, and RCW 90.44.130.	300,000	Various	Various	Grant, Adams, Franklin	9,16	41,43	Multiple Project Locations	
2	Switzler Water Supply Storage Reservoir EIS completion	Completion of an Environmental Impact Statement (EIS) related to storage project. A water supply storage reservoir off-channel Columbia River mainstem - in collaboration with Benton and Klickitat Counties, Horse Heaven Hills.	150,000	Various	N/A	Benton	16	31	45.96	-119.11
2	2026 Supply and Demand Forecast Research & Report	The Office of the Columbia River must develop a long-term water supply and demand forecast every five years, pursuant to RCW 90.90.040. Following the 2021 Report, work on lessons learned and next steps for the 2026 Forecast. Includes continued groundwater refinement and necessary equipment to expand groundwater monitoring throughout the Columbia Basin.	1,660,000	N/A	N/A	N/A	N/A	N/A	No Geographic Location	
3	WW lease	OCR would issue term permits from 4,761 ac-ft of water leased from the Port of Walla Walla. The term permits provide water on a temporary basis, allowing time for water users to find a permanent supply. The term permits expire when the lease expires (up to 10 years). This is the next installment to maintain a new lease agreement that would run through 2030.	1,000,000	N/A	Touchet	Walla Walla	16	32	46.12	-118.90
3	Feed route	As part of the Odessa Groundwater Replacement Project the Potholes Supplemental Feed Route project provides a more reliable source of Columbia Basin Project water to the southern portion of the Columbia Basin Project by delivering additional "make up" water to Potholes Reservoir due to the fact that the East Low Canal is no longer able to convey this water supply due to OGWRP. The water is conveyed via Crab Creek and the Frenchman Hills Wasteway.	1,300,000	Various	Various	Various	13	41,43	Multiple Project Locations	
3	Columbia River Mainstem Drought Insurance	Water right change and acquisitions that support instream and out-of-stream demands.	1,000,000	TBD	TBD	TBD	TBD	TBD	TBD	TBD
3	Methow Community and affordable Housing Water Supply	Methow Community (Winthrop) and affordable Housing Water Supply - Projects that support instream and out-of-stream demands and meet RCW 90.90 mandates.	2,000,000	Various	Winthrop	Okanogan	7	48	TBD	TBD
3	Small municipal source exploration	Exploring additional water supply sources for small municipal systems, including White Salmon & Colville Tribe and other municipalities in the greater Columbia Basin. This funding provides for engineering studies, water supply alternatives analysis and other exploratory efforts to solve water supply problems when they arise.	400,000	TBD	TBD	TBD	TBD	TBD	TBD	TBD
3	Columbia River Interruptibles	Water supply development projects to meet the demands of existing interruptible water rights.	250,000	TBD	TBD	TBD	Various	TBD	TBD	TBD
		TOTAL	**57,884,000**							

2025-27 Biennial Budget HEAL Act Template

Background

HEAL Act requirements

The Healthy Environment for All Act (HEAL Act), Chapter 314, Laws of 2021 (RCW 70A.02) requires that "covered and opt in agencies" must implement the requirements of the HEAL Act. This includes the:

- Department of Ecology
- Department of Agriculture
- Department of Commerce
- Department of Health
- Department of Natural Resources
- Department of Transportation
- Puget Sound Partnership
- Office of the Attorney General

HEAL Act agencies that are considering a significant agency action initiated after July 1, 2023, are required to conduct an environmental justice assessment. RCW 70A.02.010(12) specifies that significant agency actions include:

- The development and adoption of significant legislative rules as defined in RCW 34.05.328.
- The development and adoption of any new grant or loan program that the agency is explicitly authorized or required by statute to implement.
- A capital project, grant, or loan award costing at least $12,000,000.
- A transportation project, grant, or loan costing at least $15,000,000.
- The submission of agency request legislation to the Office of the Governor or OFM.

Under RCW 70A.02.080, beginning on or before July 1, 2023, covered and opt in agencies must, where practicable, take specific actions when making expenditure decisions or developing budget requests to OFM and the Legislature for programs that address or may cause environmental harms or provide environmental benefits. This includes:

- Focus applicable expenditures on creating environmental benefits that are experienced by overburdened communities and vulnerable populations, including reducing or eliminating environmental harms, creating community and population resilience, and improving the quality of life of overburdened communities and vulnerable populations.
- Create opportunities for overburdened communities and vulnerable populations to meaningfully participate in agency expenditure decisions.
- Clearly articulate environmental justice goals and performance metrics to communicate the basis for agency expenditures.
- Establish a goal of directing 40% of grants and expenditures that create environmental benefits to vulnerable populations overburdened communities.

To help OFM understand how HEAL Act agency budget requests meet HEAL Act requirements, covered agencies are required to complete additional questions related to the HEAL Act. These questions are shown below and are in addition to the equity related questions required of all agencies. Covered agencies are asked to complete the following questions and submit them through ABS.

HEAL Act questions

If you answer YES to any of these bullet points, please answer the six additional questions and submit them as an attachment through ABS.

- Is this decision package part of an agency request legislation that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding to support another significant agency action that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☒ Yes

  ☐ No

- Is this decision package requesting funding for a program/project/activity that may **provide environmental benefits or reduce, mitigate, or eliminate environmental harms**, (that is not a significant agency action)? Note: This may include decision packages for programs not purposely directed to provide environmental benefits but may have an indirect or unintentional impact.

  ☒ Yes

  ☐ No

If you answer YES to any of the above bullet points, please complete these additional questions.

1. Please describe specific likely or probable environmental harms and/or benefits related to your decision package and the associated health impacts to overburdened communities and vulnerable populations.

   The grants in this budget request are not anticipated to impact environmental harms to overburdened communities and vulnerable populations. However, the OCR Columbia River Water Supply Development Program is designed to help meet current and future water needs throughout Eastern Washington and to meet the concurrent needs of out-of-stream uses for families, industry, and farms, and instream uses for ecosystems and fish. This work develops additional water supply to provide economic benefit to rural, Tribal, and agricultural communities to support rural areas and under-represented communities, including Tribal

nations throughout Eastern Washington, that are most impacted and vulnerable to economic and health risk from interruptions to water supply; are hardest hit by drought or low flows; and that historically have not had access to water rights and/or have inadequate sources of reliable supply.

2. Please describe the estimated percentage and amount of the requested funds that will go towards creating environmental benefits in overburdened communities and vulnerable populations as defined in OFM's the OBC map or as determined by the agency. If applicable, please include your methodology for making this estimate, including project/award lists if available.

   Ecology estimates that 75% of the grant funds would go to creating environmental benefits in overburdened communities and with vulnerable populations. This estimate is based future grant rounds that would continue to prioritize water supply projects that benefit people statewide and in particular, rural, Tribal and economically disadvantaged populations and communities. on grant funding which would target rural areas and vulnerable populations.

3. Please describe any potential significant impacts to Indian Tribes' rights and interest in their tribal lands, as well as traditional practices.

   There are no anticipated negative significant impacts to Indian Tribes' rights and interest in their tribal lands, as well as traditional practices. Dependent on the specific project, this may support Tribal treaty rights regarding fishing in Usual and Accustomed Areas. If funded, grants would continue to improve water security throughout Eastern Washington and would prioritize Tribes and Tribal communities where applicable.

4. Describe how your agency engaged with Tribes in developing this proposal, including offers for tribal consultation including timelines, methods for feedback, and mechanisms for Tribes to express concern, opposition, or support., and any direction provided by Tribes through this engagement.

   The Columbia River Policy Advisory Group advises the OCR on policy issues associated with developing new water supply for Eastern Washington. The group is comprised of representatives from state, local, federal, and Tribal governments, irrigators, businesses, and environmental groups. Meetings are generally quarterly and open to the public.

5. If the decision package is part of agency request legislation or supports another significant agency action that is required to complete an environmental justice assessment under RCW 70A.02.010(12), please submit the assessment as an attachment in ABS.

   If funding is provided for any requested project over $12 million, constituting a significant agency action, an environmental justice assessment will be done at the time the award is confirmed.

6. If the decision package is part of agency request legislation or constitutes a significant agency action that is required to complete an environmental justice assessment, please describe how your agency used the environmental justice assessment process to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits. If your agency determined that you were unable to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits, please provide a justification for not doing so.

   N/A

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OFM

461 - Department of Ecology
Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
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Project Number: **40000705**
Project Title: **2025-27 Yakima River Basin Water Supply**

Description

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 8

Project Summary

Current water resources infrastructure, programs, and policies in the Yakima River Basin are unable to consistently meet the basin's environmental and economic demands, including supporting aquatic resources, fish and wildlife habitat, dry-year irrigation, and municipal water supplies. A diverse set of local stakeholders developed the Yakima River Basin Integrated Water Resources Management Plan to provide a comprehensive, long-term water resources and habitat improvement program to address this situation. Ecology is requesting $59 million in the 2025-27 biennium to continue implementing this program in cooperation with the U.S. Bureau of Reclamation and local stakeholders. This program will support the regional economy and protect the environment. This request is directly related to implementing the Governor's Salmon Strategy. (State Building Construction Account)

Project Description

What is the proposed project?

The Yakima River Basin has experienced long-standing, severe problems with water supply and aquatic resources. The causes of those problems are numerous and complex, and the net result is that the Yakima River Basin is a drought-prone, over-appropriated basin with decimated anadromous fish runs and degraded fish habitat.

The U.S. Geological Survey (USGS) conducted a groundwater study, developed a model, and released a report of findings in September 2011. According to the report, the Yakima River Basin has one of the most complex hydrologic systems in the nation. With increasing frequency, water sources run short, and water supply is predicted to worsen due to climate change. The report and model advise that surface and groundwater must be managed as one resource in the basin. Based on the USGS study results, Ecology believes that, in most places in the basin, new groundwater withdrawals, including those for domestic and municipal purposes, will not be legally reliable without mitigation.

In June 2009, Ecology and the U.S. Bureau of Reclamation (USBR) brought representatives from the Yakama Nation, irrigation districts, environmental organizations, and federal, state, county, and city governments together to form the Yakima River Basin Water Enhancement Project (YRBWEP) Working Group. The group was formed to help develop a consensus-based solution to the basin's water problems. Over the next 18 months, the group developed the Yakima River Basin Integrated Water Resource Management Plan. Ecology and the USBR issued a Programmatic Environmental Impact Statement (PEIS) for the Plan on March 2, 2012. The PEIS serves as a framework for the plan. In 2013, the Washington State Legislature passed SSSB 5367, codifying the state's role in cost share and implementing the Yakima Basin Integrated Plan (YBIP) within RCW 90.38.120.

The plan calls for making substantial improvements in available water supply, constructing fish passage at all in-basin reservoirs, improving fish habitat, and acquiring targeted land parcels for improvements in overall watershed health. The plan will take 30 to 40 years and cost about $4 billion to implement, according to 2012 estimates developed from the PEIS. Ecology is pursuing implementation of the plan as the long-term solution to the problems in the basin. Ecology believes that, as long-term efforts and funding strategies are pursued, it is also necessary to pursue short- and medium-term solutions now. Such solutions need to focus on dealing with current water allocation and management and specifically address ground and surface water interrelationships identified in the USGS report.

The plan will add 450,000 acre-feet of surface storage capacity and save about 170,000 acre-feet of water during non-drought years through agricultural water conservation efforts. Taken together, the measures are intended to help ensure more reliable water supplies for irrigators in drought years and help to reduce dependence on dwindling snowpack levels. These elements of the plan are focused on meeting existing irrigation needs in drought years and not on making water available for future irrigation development.

Project Number: 40000705
Project Title: 2025-27 Yakima River Basin Water Supply

Description

The plan incorporates approximately 57,000 acre-feet of water supply for municipal and domestic needs. However, it may take 20 or 30 more years to obtain funding and authorization and to develop these new water supplies for municipal and domestic purposes only.

Interim steps are needed until these new sources of water become available through storage, conservation, and other water management projects. Water resources must be managed conservatively to protect senior users and fisheries, but we must also seek ways to make water available for growing communities and industries.

Since passage of Second Substitute Senate Bill 5367 in support of the Plan in 2013, the Office of Columbia River (OCR) has embarked on an ambitious 30-year effort encompassing an unprecedented breadth of projects and programs designed to solve the water and aquatic resource needs of the Yakima River Basin in south central Washington. Over the last ten years, the program has advanced a wide range of projects, including planning, design, permitting, funding, and construction, as part of the first 10 years of project development (10-year Initial Development Phase).

The project-by-project activities in this request include concurrent advancement of fish passage, watershed/habitat enhancement, and water supply. Many of these efforts also provide improved stream flow in critical reaches, as well as improvements in other fish habitat conditions. The Legislature appropriated $40 million in the 2019-21 biennium, $42 million in the 2021-23 biennium, and $49 million in the 2023-25 biennium for continued implementation of the plan. These funds are being applied to a variety of projects in combination with funds obtained from other sources.

Ecology is requesting $59 million to continue implementation projects in the plan. This will provide measurable progress to address pending water rights applications in the basin and develop solutions for how new groundwater uses may be achieved through mitigation or other creative programs, such as domestic water reserve programs and expanded water exchanges. All funding identified in this request is from the State Building Construction Account and is state “seed” money that will eventually match a yet-to-be determined amount of federal and local share of the costs.

Results through the 2023-25 biennium:

In March of 2019, the Yakima Basin Integrated Plan was enacted into federal law under the John D. Dingell, Jr. Conservation, Management, and Recreation Act, Public Law 116-9, Title VIII, Subtitle C, Section 8201, the Yakima River Basin Water Enhancement Project. This federal legislation authorizes and funds major components of the YBIP and ensures a federal partner for the future. The Act authorizes the USBR to adopt the Yakima Basin Integrated Plan and its initial development phase and to authorize new uses of the Yakima Irrigation Project. The Act emphasizes:

- Recovery and maintenance of sustainable harvestable populations of fish and other aquatic life.

- Development of municipal, industrial, and domestic water supply.

- Resilience to drought and climate change.

- Authorizes the Initial 10-Year Development Phase of the Yakima Basin Integrated Plan. This includes 200,000 acre-feet of inactive storage at Lake Kachess, additional water conservation savings of 85,000 acre-feet, groundwater recharge, aquifer storage, and water market and transfer projects, and an additional $75 million to address longstanding deferred maintenance and improvements to the Bureau of Indian Affairs, Wapato Irrigation District.

- Approves planning and study of both the intermediate (2nd 10-year phase) and final (3rd 10-year phase) development phases of the Yakima Basin Integrated Plan.

Description

Additional accomplishments include:

- All USBR's contracts to complete construction at the Cle Elum juvenile Fish Passage Structure have been awarded and are nearing completion. The Cle Elum Fish Passage Structure will undergo formal commissioning in the spring of 2024. The Cle Elum Adult Fish Collection facility will break ground in the summer of 2024. The entire $220 million facility is anticipated to be functional in 2026. The facility will greatly enhance and improve juvenile fish movement from Lake Cle Elum to the Yakima River and ultimately migrate to the ocean.

- Significant advancement toward the water conservation goal of 85,000 ac-ft during the initial development phase of approximately 65,000 acre-feet, or 76% of the goal. Moving groundwater feasibility storage studies forward. Groundwater storage pilot projects are moving forward in the upper (Taneum Creek) and lower (Toppenish Fan) portions of the basin.

- Continued design and construction for shoreline stabilization for the Cle Elum Pool Raise project.

Current project efforts are focused on shoreline stabilization with individual property owners and Forest Service properties, boat launch, and American with Disabilities Act access. USBR, the Yakama Nation, WDFW, and Kittitas County have been working aggressively to address the last several shoreline sites for shoreline stabilization with private property owners (Night Sky, Timber Cove, Domerie Bay). Completion of this work is anticipated in 2026-2027. Ecology issued the 14,600 acre-feet water right based on the Yakama Nation's time immemorial right in April 2024. This was the first new storage water right issued in the basin since 1933.

The Upper Yakima Systems Storage Project Study identified the Springwood Ranch property as an ideal location for an off-channel water supply storage facility. The purpose of the reservoir is to capture additional winter runoff and release water for spring smolt migration pulse flows. The State Recreation and Conservation Office (RCO), working with the Washington State Legislature, the Yakama Nation, the Kittitas Reclamation District, Ecology, USBR, the Trust for Public Lands, and Kittitas County, appropriated approximately $24 million in 2023-2025 to purchase the property; closing on the property acquisition will likely be complete during summer 2024. Starting in June 2023, Ecology, the Yakama Nation, KRD, USBR, and many others initiated a value planning process with USBR to select criteria to move into potential design phases as part of a feasibility study. The Federal Feasibility Study is now in process. The study is expected to cost approximately $20.8 million, with the state's share at approximately $10 million. We were able to contribute $2 million during the 2023-25 biennium, leaving $8 million still needed during the 2025-27 biennium.

The YBIP has completed more than 40 habitat restoration projects and acquired more than 80,000 acres of forest, floodplains, and shrub steppe land. One recent habitat project example is the Little Naches Levee project. Historic land use practices and levees in the Little Naches River system have severely impacted the landscape and fish populations. In the summer of 2022, the levees were excavated, along with placing large pieces of wood in the river and reconnecting side channels to improve steelhead and salmon habitat.

The year 2023 was an unexpectedly dry year for the Yakima Basin (73% entitlement for pro-rationed water users). During these dry years, market-based reallocation of water rights helps minimize adverse effects on those experiencing rationing (irrigators and instream flows). The YBIP continues its analysis of the basin-wide water marketing study and ideally piloting a smart market.

A 10-year YBIP planning event to be held in October 2022 with federal, state, local government, the Yakama Nation, conservation groups, and interested stakeholders for scoping and planning for the next 10-year increment. The workgroup determined to focus on two major areas for the 25-27 biennium, specifically surface water storage and reducing lower Yakima River fish mortality. The details regarding the Upper Yakima System Storage are noted above. In late 2022 Ecology and Reclamation, the Yakama Nation and Kennewick Irrigation District initiated the development of the Prosser/Chandler

Project Number: **40000705**
Project Title: **2025-27 Yakima River Basin Water Supply**

Description

Fish Passage Improvement Project, looking at ways to enhance the survival of juvenile salmonids and minimize delays in adult fish migration at the diversion facility at this location. The activities that are currently underway include the collection of field survey data, the development of hydraulic and sediment models, appraisal-level alternative analysis, and the completion of a value planning study. The goal is to finalize project development and design for infrastructure replacement or retrofits and a new fish guidance boom by the end of 2026. Construction could start as early as 2027.

This request will fund the next installment of the plan. For 2025-27, proposed projects by the plan improvement categories (see attached project list) include:

1. **Habitat:** $7 million - Tributary/mainstem habitat restoration projects fish habitat enhancement program will address mainstem and tributary habitat restoration priorities, such as flow restoration, fish barrier removal, and screening diversions.

2. **Fish Passage:** $14 million - Cle Elum, Tieton, and Clear Lake Dam Passage construction of upstream and downstream fish passage facilities at Cle Elum and Clear Lake, and feasibility and design work at Tieton Dam. Includes work on Nelson Dam Phase II and Bateman Island fish passage projects.

3. **Structural & Operational Modifications:** $13 million - Cle Elum pool raise and shoreline stabilization at Lake Cle Elum to mitigate raising lake level by three feet. Other projects include fish passage improvement in the Lower Yakima River to address smolt mortality, focusing on the planning, design, and modeling at the Prosser and Chandler facilities. Other miscellaneous projects could also include Tieton River Fisheries Enhancement and Water Reliability Study or Roza Fish Screens.

4. **Surface Storage:** $10.5 million – Kachess Drought Relief Pumping Plant (KDRPP) project will provide additional pump capacity on Lake Kachess that will provide access to another 200,000 acre-feet of water from the lake, technical support, groundwater mitigation, and work to improve Bull Trout enhancements in various locations in the upper watershed. Ecology and the Bureau of Reclamation are partner agencies leading the delivery of a Feasibility Study for the Alternative Selection, Design, and Environmental Compliance for the Kittitas Reclamation District (KRD) and the Upper Yakima System Multi-Benefit Water Storage Facilities. The Feasibility Study is an evaluation of the technical, economic, and financial feasibility of a proposed project based on detailed investigations requiring the acquisition of data and including an assessment of environmental impacts. It consists of initial screening, water supply and availability analysis, preliminary engineering analysis, hydrologic and hydraulic analysis, topographic survey, LiDAR, land acquisition analysis, preliminary environmental review, preparation of feasibility-level designs, cost estimates, and economic analyses. Total estimated project cost is $20,853,185, which Ecology and Reclamation will be splitting this cost.

5. **Groundwater Storage:** $3 million - Regional storage options (includes aquifer storage and recovery and/or groundwater infiltration) will be accomplished by diverting water into designed infiltration systems (ponds, canals, or spreading areas) prior to storage releases from the Yakima project.

6. **Water Conservation:** $7.5 million – Agricultural/municipal/domestic conservation projects that will focus on improvements to existing irrigation districts within the basin, including the Yakama Nation district.

7. **Market-Driven Reallocation:** $1 million - General support for markets to exchange water and provide water banking opportunities. This work will focus on reducing barriers to voluntary market transfers and marketing opportunities.

8. **Project Management Staff and Systems:** $3 million – Technical and scientific staff to oversee implementation of the seven elements of the Yakima Basin Integrated Plan and award grants.

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Project Title: 2025-27 Yakima River Basin Water Supply

Description

What opportunity or problem is driving this request?
For the past 30 years, several groups in the Yakima River Basin have been actively involved in storage modification, supplementation, and fish enhancement projects. These groups include the Yakama Nation, USBR, the Bonneville Power Administration, the U.S. Fish and Wildlife Service, the National Marine Fisheries Service, the Washington State Department of Ecology and the Washington Department of Fish and Wildlife (WDFW), county and municipal governments, local conservation districts, non–profit organizations, and other landowners and managers. However, current water resources infrastructure, programs, and policies in the Yakima River Basin have not consistently met aquatic resource demands for fish and wildlife habitat, dry-year irrigation demands, and municipal water supply demands.

Anadromous and resident fish populations are seriously depleted from historic levels, and some species have been eliminated from the basin or listed as threatened under the Endangered Species Act. The causes for decline of resident fish populations include many obstructions that block fish passage to upstream tributaries and spawning grounds; degraded river habitat and floodplain functions by past and present land use practices; and altered streamflows due to heavy irrigation demand that leaves some streamflows too high or too low to provide good fish habitat.

There are many reasons it is difficult to meet demand for current and future municipal and domestic water supplies. First, water rights in the basin are fully appropriated, which makes it difficult to acquire water to meet future municipal and domestic water demand. Second, pumping groundwater for irrigation and municipal uses has shown to reduce surface water flows in some locations, which may affect other existing water rights.

Finally, climate change projections indicate there will be changes in runoff and streamflow patterns, which will increase the need for portioning water and maintaining flows for fish.

These problems have created a need to restore ecological functions in the Yakima River Basin to provide more reliable and sustainable water resources for the health of the riverine environment and for agricultural, municipal, and domestic needs.

These problems should be addressed in a way that anticipates increased water demands and changes in water supply related to climate change. In developing the plan, USBR, Ecology, and the YRBWEP Working Group identified specific needs for resident and anadromous fish, irrigation water supply, municipal and domestic water supply, and anticipated changes in water supply related to climate change.

What are the specific benefits of this project?
Requested funds will be used to continue financing assessments and constructing new water projects and water conservation measures. These infrastructure investments will expand the available water supply, allow new water rights to be issued, and enhance instream flows in the Yakima River and its tributaries.

This request will also provide economic benefits to the state by creating up to 210 jobs per year during the next four years, based on Office of Financial Management estimates.

What are the effects of non-funding?
If the initial plan projects are not funded, USBR and Ecology would not continue implementing the plan. Without an integrated approach, it is unlikely USBR and Ecology would be able to procure additional federal or state funding to develop large-scale water storage, fish passage, and habitat improvement projects. Ecology expects that securing continuing funding is critical to leveraging future federal appropriations that will help pay for the multi-billion-dollar cost of the plan. So, the existing management structure would remain in place, which has proven to be inadequate for meeting basin-wide water needs. The water future of the basin would continue to rely on individual actions by various agencies and other entities to improve water

Description

resources. Current funding sources would be used to continue ongoing programs and those projects already funded.

Although USBR and Ecology would not implement an integrated approach to improve water resources and fish habitat in the basin, current management activities and ongoing projects would continue. In addition to their involvement with ongoing projects, USBR and Ecology would continue their activities to manage water resources in the Yakima River Basin. The USBR would continue to study fish passage options at its major reservoirs, consistent with its mitigation agreement with WDFW outlined in the hydraulic project approval permit but would not have funding to carry out the projects.

USBR and Ecology would continue to explore other opportunities for funding and implementing water resource and habitat improvement projects, but no large-scale or integrated actions or projects would likely occur under the No Action Alternative (the expected future condition if no action is taken). Under the No Action Alternative, progress toward achieving the goal of restoring ecological functions in the basin would very likely proceed more slowly and in a more limited way than with a comprehensive funding package.

To fully fund the state's share of the ongoing plan, Ecology anticipates that demand for funding will be significantly higher in future biennia. Ecology will seek similar levels of funding from a combination of federal and private funding sources. Ecology and its partners will continue to adapt implementation of the program based on actual funding provided and ongoing developments that may affect project design, costs, hydrologic conditions, fisheries health, and productivity of the Central Washington economy.

Why is this the best option or alternative?
This funding will allow the Yakima River Basin projects to be started and solutions to historic water supply problems implemented. The availability of extensive capital funding is critical to implementing the plan and securing future commitments from the federal government. Without this capital funding, the plan would not be implemented, and existing water supply problems would continue and likely become more volatile in the future.

How will clients be affected and services change if this project is funded?
Projects included in this request will continue implementing the entire plan in the Yakima River Basin. They will expand the portfolio of water resources available to meet the plan's objectives for the basin. Both the initial and long-term projects included in the plan are needed to meet the economic and community development needs of people and the instream flow needs for fish. It is difficult to secure any new water for out-of-stream uses due to endangered fish issues and lack of water availability in the Yakima River Basin. More details on the plan can be found at: https://ecology.wa.gov/Water-Shorelines/Water-supply/Water-supply-projects-EW/Yakima-River-Basin-projects/Yakima-integrated-plan.

Funding this request will allow practical water supply solutions to be started and continue the work with interest groups across the community to secure new instream and out-of-stream water uses in a cooperative and balanced way. Funded projects will lead to additional economic activity in communities throughout the region and allow the state government to work in partnership with water stakeholders throughout the region. Economic vitality in the region will continue, and aquatic resources and instream flows are protected.

Focus on Equity:
Target Populations and Communities
The Columbia River Water Management Program seeks to meet current and future water needs along the Columbia River and its tributaries. Funding targets mostly rural areas without access to sufficient public water supplies and water for

Description

families, industry, and farms (out-of-stream), and ecosystems and fish (instream). Additionally, this program is working to resolve conflicts over water and provide water security in the face of drought and changing climate.

Stored water from existing reservoirs, enhanced water conservation projects, and infrastructure improvements are making water available for rural and agricultural communities, protecting fisheries that support Tribal customs and values and enhances the natural environment. Tribal entities are also eligible grant recipients.

Additionally, the Yakama Nation Reservation is located within the Yakima Basin Integrated Plan project area, where they operate a fisheries enhancement program for the benefit of Tribal members throughout the Columbia Basin and provide drinking water to members of the Yakama Reservation. The Yakama Nation is also part of the membership of the Yakima River Basin Water Enhancement Project Workgroup that implements the Yakima Basin Integrated Plan.

Community Outreach and Engagement
The actions in this budget request were developed out of the process to implement the Columbia River Basin Water Supply Development program. The ongoing process to implement this plan is in cooperation with local, state, federal, and Tribal partners and includes activities specific to overburdened communities and vulnerable populations. The process involved outreach with community organizations and multiple public comment and survey periods throughout the development of the plan.

Disproportional Impact Considerations
There are no anticipated disproportionate negative impacts anticipated from this request. The OCR Columbia River Water Supply Development Program is designed to help meet current and future water needs throughout Eastern Washington and to meet the concurrent needs of out-of-stream uses for families, industry, and farms, and instream uses for ecosystems and fish. This work develops additional water supply to provide economic benefit to rural, Tribal, and agricultural communities to support rural areas and under-represented communities, including Tribal nations throughout Eastern Washington, that are most impacted and vulnerable to economic and health risk from interruptions to water supply; are hardest hit by drought or low flows; and that historically have not had access to water rights and/or have inadequate sources of reliable supply.

HEAL Act Agencies Supplemental Questions
See attached.

What is the agency's proposed funding strategy for the project?
Ecology proposes using the State Building Construction Account to fund the projects listed in this request. Using bonds is the appropriate mechanism to fund multi-million-dollar projects that will provide instream and out-of-stream benefits for decades. The funding arrangement with Ecology's federal and local partners has not yet been finalized by all parties involved. Multi-party agreements with local irrigation districts and USBR for a share of the total project cost are being discussed with local, state, and federal partners.

The various parties represented on the YRBWEP Working Group, and its committees have forged strong working partnerships that created valuable outcomes for fish and water supply under the challenging conditions posed by the drought in 2015. Federal legislation (Dingell Act) enacted in March 2019 complements RCW 90.38.060, a necessary step in securing federal funding at the scale needed to construct major projects. Ecology will continue to collaboratively implement the plan and seek non-state funding to complement the significant state investments. Local, state, and federal partners continue to work on this proposed legislation with Congress to secure future federal funding.

The YBIP has received increased federal funding from multiple sources over 2023-25 biennium, including the Bureau of

Description

Reclamation, the Bipartisan Infrastructure Law, the Infrastructure Investment and Jobs Act, and the Inflation Reduction Act. During 2023, $8,323,677 was awarded from these funding sources to the YBIP water conservation, floodplain restoration, fish passage improvement, and habitat restoration projects.

Funding for this request includes $20,000 to maintain and update the grant or loan applications in the agency systems.

Are FTEs required to support this project?
Ecology's OCR manages both Columbia River and the Yakima River Integrated Plan projects. The OCR anticipates implementing large-scale projects (construction of water supply storage, fish and aquatic habitat, operational upgrades, delivery modifications and/or other water supply projects and/or acquisitions), etc.) and numerous small-scale habitat projects in 2025-27. To effectively manage the scale and complexity of these projects, the OCR anticipates bringing on more project management and fiscal management staff to keep pace with the YBIP implementation. These projects will require 9.8 FTEs to perform all activities related to coordinating development, overseeing feasibility and bid solicitations, EIS review and implementation, construction management, receipt and confirmation of project deliverables, and implementation of multiple large-scale water supply projects within the Yakima Basin. This is an increase of 2.3 FTEs above the 2023-25 biennium funding level. The increase is necessary due to overall project complexity and the accelerated implementation schedule.

Funding for capital FTE provides grant management and oversight services for all grants issued under the OCR YBIP Program. Services include financial management, project management, agreement customer service, EAGL system management and updates, issuance of grant guidance, evaluation of applications, negotiation of initial grant agreements, and future amendments for all grants awarded under the OCR YBIP.

Please note these FTEs support both this new appropriation and other related reappropriation projects under this capital program.

How does the project support the agency and statewide results?
This request is essential to achieving the following Ecology goals:

- Goal 1: Support and Engage our Communities, Customers, and Employees because it will provide infrastructure at the local level to support improved water use efficiency and improve instream flows for local economic, recreational, and environmental benefit.

- Goal 4: Protect and Manage our State's Water because it will help meet economic and community needs for reliable water supplies in the Yakima River Basin while protecting and enhancing river flows for fish.

This request is essential to achieving the Governor's Results Washington Goal 3: Sustainable Energy and a Clean Environment because it will:

- Increase the amount of water instream so fish and other wildlife have enough water to live and reproduce to maintain healthy populations.

- Improve fish habitats to ensure that fish can find food to eat and improve shading from trees and plants.

- Water temperature does not get too high.

- Spawning grounds are available with the right size of gravel.

This request is directly related to implementing the Governor's Salmon Strategy:

- Strategic Priority: 4. Build climate resiliency

- Action: 4b. Columbia River Basin water supply

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Capital Project Request

2025-27 Biennium

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Report Number: CBS002
Date Run: 8/30/2024 8:23AM

Project Number: 40000705
Project Title: 2025-27 Yakima River Basin Water Supply

Description

How will the other state programs or units of government be affected if this project is funded?
Ecology is currently working on a broad range of projects, and the spectrum of partners involved is just as diverse. The portfolio of participants includes local conservation districts; irrigation districts; municipal water systems; numerous environmental groups; agricultural organizations; and state, federal, and local governments. These organizations are involved not only in giving Ecology policy guidance; they may also likely be grant recipients and project partners critical to successfully implementing the plan. Funding this list of early action projects means this wide range of partners will see new water storage and conservation projects, along with the associated jobs and funds critical to their local economies.

Other state agency programs that support economic community and agriculture development and protection and restoration of fish species will benefit from these projects. WDFW is an active partner in identifying the most critical needs for protecting and enhancing streamflows for fish. The Washington State Conservation Commission (SCC) manages on-farm irrigation efficiencies (SCC Capital Budget request Water Irrigation Efficiencies Program). Cities and counties in the Yakima River Basin are strong supporters and active partners. USBR is a funding partner with Ecology in new storage and conservation projects.

Location
City: Statewide **County:** Statewide **Legislative District:** 098

Project Type
Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A
Application process used
Competitive grants to local entities for projects developed in cooperation with the Yakima Basin Working group. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts
N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	299,000,000				59,000,000
	Total	**299,000,000**	**0**	**0**	**0**	**59,000,000**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State	60,000,000	60,000,000	60,000,000	60,000,000
	Total	**60,000,000**	**60,000,000**	**60,000,000**	**60,000,000**

Operating Impacts

No Operating Impact

Project Number: 40000705
Project Title: 2025-27 Yakima River Basin Water Supply

SubProjects

SubProject Number: 40000706
SubProject Title: Habitat

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 8

Project Summary

Current water resources infrastructure, programs, and policies in the Yakima River Basin are unable to consistently meet the basin's environmental and economic demands, including supporting aquatic resources, fish and wildlife habitat, dry-year irrigation, and municipal water supplies. A diverse set of local stakeholders developed the Yakima River Basin Integrated Water Resources Management Plan to provide a comprehensive, long-term water resources and habitat improvement program to address this situation. Ecology is requesting $59 million in the 2025-27 biennium to continue implementing this program in cooperation with the U.S. Bureau of Reclamation and local stakeholders. This program will support the regional economy and protect the environment. This request is directly related to implementing the Governor's Salmon Strategy. (State Building Construction Account)

Project Description

Tributary/Mainstem Habitat Restoration Projects - Fish habitat enhancement program would address mainstem and tributary habitat restoration priorities such as flow restoration, fish barrier removal, and screening diversions.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A
Application process used

Competitive grants to local entities for projects developed in cooperation with the Yakima Basin Working group. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	7,000,000				7,000,000
	Total	**7,000,000**	**0**	**0**	**0**	**7,000,000**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

Project Number: **40000705**
Project Title: **2025-27 Yakima River Basin Water Supply**

SubProjects

SubProject Number: **40000706**
SubProject Title: **Habitat**

No Operating Impact

SubProject Number: **40000707**
SubProject Title: **Fish Passage**

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 8

Project Summary

Current water resources infrastructure, programs, and policies in the Yakima River Basin are unable to consistently meet the basin's environmental and economic demands, including supporting aquatic resources, fish and wildlife habitat, dry-year irrigation, and municipal water supplies. A diverse set of local stakeholders developed the Yakima River Basin Integrated Water Resources Management Plan to provide a comprehensive, long-term water resources and habitat improvement program to address this situation. Ecology is requesting $59 million in the 2025-27 biennium to continue implementing this program in cooperation with the U.S. Bureau of Reclamation and local stakeholders. This program will support the regional economy and protect the environment. This request is directly related to implementing the Governor's Salmon Strategy. (State Building Construction Account)

Project Description

This subproject includes multiple project descriptions. Refer to the project list attachment for details.

- Cle Elum Dam Passage - Construction of down stream / upstream fish passage facilities

- Nelson Dam - Phase II

- Bateman Island

- Tieton Dam feasibility/design

- Clear Lake Dam Passage

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Project Number: 40000705
Project Title: 2025-27 Yakima River Basin Water Supply

SubProjects

SubProject Number: 40000707
SubProject Title: Fish Passage

Grant Recipient Organization: N/A

RCW that establishes grant: N/A

Application process used

Competitive grants to local entities for projects developed in cooperation with the Yakima Basin Working group. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Expenditures: Estimated Total	Expenditures: Prior Biennium	Expenditures: Current Biennium	2025-27 Fiscal Period: Reapprops	2025-27 Fiscal Period: New Approps
057-1	State Bldg Constr-State	14,000,000				14,000,000
	Total	**14,000,000**	**0**	**0**	**0**	**14,000,000**

Acct Code	Account Title	Future Fiscal Periods: 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000708
SubProject Title: Structural & Operational Modifications

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Project Number: 40000705
Project Title: 2025-27 Yakima River Basin Water Supply

SubProjects

SubProject Number: 40000708
SubProject Title: Structural & Operational Modifications

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 8

Project Summary

Current water resources infrastructure, programs, and policies in the Yakima River Basin are unable to consistently meet the basin's environmental and economic demands, including supporting aquatic resources, fish and wildlife habitat, dry-year irrigation, and municipal water supplies. A diverse set of local stakeholders developed the Yakima River Basin Integrated Water Resources Management Plan to provide a comprehensive, long-term water resources and habitat improvement program to address this situation. Ecology is requesting $59 million in the 2025-27 biennium to continue implementing this program in cooperation with the U.S. Bureau of Reclamation and local stakeholders. This program will support the regional economy and protect the environment. This request is directly related to implementing the Governor's Salmon Strategy. (State Building Construction Account)

Project Description

This subproject includes multiple project descriptions. Refer to the project list attachment for details.

- Cle Elum Pool Raise - Shoreline stabilization to increase storage of Lake Cle Elum by approximately 14,600 ac-ft by raising lake level 3 feet

- Lower River projects, Prosser Dam, YN Fish facility, Chandler electrication

- Misc. Structural Projects, WIP, YTID, Wanawish Other

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A
Application process used

Competitive grants to local entities for projects developed in cooperation with the Yakima Basin Working group. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding		Expenditures			2025-27 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	13,000,000				13,000,000
	Total	**13,000,000**	**0**	**0**	**0**	**13,000,000**

Project Number: 40000705
Project Title: 2025-27 Yakima River Basin Water Supply

SubProjects

SubProject Number: 40000708
SubProject Title: Structural & Operational Modifications

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000709
SubProject Title: Surface Storage

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 8

Project Summary

Current water resources infrastructure, programs, and policies in the Yakima River Basin are unable to consistently meet the basin's environmental and economic demands, including supporting aquatic resources, fish and wildlife habitat, dry-year irrigation, and municipal water supplies. A diverse set of local stakeholders developed the Yakima River Basin Integrated Water Resources Management Plan to provide a comprehensive, long-term water resources and habitat improvement program to address this situation. Ecology is requesting $59 million in the 2025-27 biennium to continue implementing this program in cooperation with the U.S. Bureau of Reclamation and local stakeholders. This program will support the regional economy and protect the environment. This request is directly related to implementing the Governor's Salmon Strategy. (State Building Construction Account)

Project Description

This subproject includes multiple project descriptions. Refer to the project list attachment for details.

- KDRPP project would provide additional pump capacity on Lake Kachess that would enable access to another 200,000 ac-ft of water from the lake (continue providing technical support, groundwater mitigation and bull trout enhancement).

- Upper (above Parker Dam) Yakima Basin Storage components may include, UYSS (Springwood), Bumping Lake, and other water storage projects yet to be identified or are included in the Yakima Basin Integrated Plan and documented in the Programmatic EIS (2012). Storage project activities include but are not limited to; geotechnical, engineering and financial studies and assessments of the Springwood reservoir, Bumping Lake enlargement, YTID French Canyon site, Wymer Reservoir site, lower basin site(s) and others yet to be determined future water supply storage locations.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

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Project Number: 40000705
Project Title: 2025-27 Yakima River Basin Water Supply

SubProjects

SubProject Number: 40000709
SubProject Title: Surface Storage

Grant Recipient Organization: N/A

RCW that establishes grant: N/A

Application process used

Competitive grants to local entities for projects developed in cooperation with the Yakima Basin Working group. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Expenditures: Estimated Total	Expenditures: Prior Biennium	Expenditures: Current Biennium	2025-27 Fiscal Period: Reapprops	2025-27 Fiscal Period: New Approps
057-1	State Bldg Constr-State	10,500,000				10,500,000
	Total	**10,500,000**	**0**	**0**	**0**	**10,500,000**

Acct Code	Account Title	Future Fiscal Periods: 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000710
SubProject Title: Groundwater Storage

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Report Number: CBS002
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Project Number: **40000705**
Project Title: **2025-27 Yakima River Basin Water Supply**

SubProjects

SubProject Number: **40000710**
SubProject Title: **Groundwater Storage**

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 8

Project Summary

Current water resources infrastructure, programs, and policies in the Yakima River Basin are unable to consistently meet the basin's environmental and economic demands, including supporting aquatic resources, fish and wildlife habitat, dry-year irrigation, and municipal water supplies. A diverse set of local stakeholders developed the Yakima River Basin Integrated Water Resources Management Plan to provide a comprehensive, long-term water resources and habitat improvement program to address this situation. Ecology is requesting $59 million in the 2025-27 biennium to continue implementing this program in cooperation with the U.S. Bureau of Reclamation and local stakeholders. This program will support the regional economy and protect the environment. This request is directly related to implementing the Governor's Salmon Strategy. (State Building Construction Account)

Project Description

Regional Storage Options to include ASR and/or GW infiltration to be accomplished by diverting water into designed infiltration systems prior to storage releases from the Yakima Project.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A

Application process used

Competitive grants to local entities for projects developed in cooperation with the Yakima Basin Working group. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	3,000,000				3,000,000
	Total	**3,000,000**	**0**	**0**	**0**	**3,000,000**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

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Project Number: 40000705
Project Title: 2025-27 Yakima River Basin Water Supply

SubProjects

SubProject Number: 40000710
SubProject Title: Groundwater Storage
Operating Impacts

No Operating Impact

SubProject Number: 40000711
SubProject Title: Water Conservation

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 8

Project Summary

Current water resources infrastructure, programs, and policies in the Yakima River Basin are unable to consistently meet the basin's environmental and economic demands, including supporting aquatic resources, fish and wildlife habitat, dry-year irrigation, and municipal water supplies. A diverse set of local stakeholders developed the Yakima River Basin Integrated Water Resources Management Plan to provide a comprehensive, long-term water resources and habitat improvement program to address this situation. Ecology is requesting $59 million in the 2025-27 biennium to continue implementing this program in cooperation with the U.S. Bureau of Reclamation and local stakeholders. This program will support the regional economy and protect the environment. This request is directly related to implementing the Governor's Salmon Strategy. (State Building Construction Account)

Project Description

This subproject includes multiple project descriptions. Refer to the project list attachment for details.

- Agricultural Conservation projects

- Municipal/Domestic Conservation projects.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A
Application process used

Competitive grants to local entities for projects developed in cooperation with the Yakima Basin Working group. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

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Project Number: 40000705
Project Title: 2025-27 Yakima River Basin Water Supply

SubProjects

SubProject Number: 40000711
SubProject Title: Water Conservation

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	7,500,000				7,500,000
	Total	**7,500,000**	**0**	**0**	**0**	**7,500,000**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000712
SubProject Title: Market Driven Reallocation

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 8

Project Summary

Current water resources infrastructure, programs, and policies in the Yakima River Basin are unable to consistently meet the basin's environmental and economic demands, including supporting aquatic resources, fish and wildlife habitat, dry-year irrigation, and municipal water supplies. A diverse set of local stakeholders developed the Yakima River Basin Integrated Water Resources Management Plan to provide a comprehensive, long-term water resources and habitat improvement program to address this situation. Ecology is requesting $59 million in the 2025-27 biennium to continue implementing this program in cooperation with the U.S. Bureau of Reclamation and local stakeholders. This program will support the regional economy and protect the environment. This request is directly related to implementing the Governor's Salmon Strategy. (State Building Construction Account)

Project Description

General Support for markets to exchange water and provide banking opportunities.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Project Number: 40000705
Project Title: 2025-27 Yakima River Basin Water Supply

SubProjects

SubProject Number: 40000712
SubProject Title: Market Driven Reallocation

Grant Recipient Organization: N/A

RCW that establishes grant: N/A

Application process used

Competitive grants to local entities for projects developed in cooperation with the Yakima Basin Working group. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Expenditures: Estimated Total	Expenditures: Prior Biennium	Expenditures: Current Biennium	2025-27 Fiscal Period: Reapprops	2025-27 Fiscal Period: New Approps
057-1	State Bldg Constr-State	1,000,000				1,000,000
	Total	**1,000,000**	**0**	**0**	**0**	**1,000,000**

Acct Code	Account Title	Future Fiscal Periods: 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000713
SubProject Title: Staffing

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/30/2024 8:23AM

Project Number: 40000705
Project Title: 2025-27 Yakima River Basin Water Supply

SubProjects

SubProject Number: 40000713
SubProject Title: Staffing

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 8

Project Summary

Current water resources infrastructure, programs, and policies in the Yakima River Basin are unable to consistently meet the basin's environmental and economic demands, including supporting aquatic resources, fish and wildlife habitat, dry-year irrigation, and municipal water supplies. A diverse set of local stakeholders developed the Yakima River Basin Integrated Water Resources Management Plan to provide a comprehensive, long-term water resources and habitat improvement program to address this situation. Ecology is requesting $59 million in the 2025-27 biennium to continue implementing this program in cooperation with the U.S. Bureau of Reclamation and local stakeholders. This program will support the regional economy and protect the environment. This request is directly related to implementing the Governor's Salmon Strategy. (State Building Construction Account)

Project Description

Technical and scientific staff to oversee implementation of the seven elements of the Yakima Basin Integrated Plan.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A

Application process used

Competitive grants to local entities for projects developed in cooperation with the Yakima Basin Working group. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	2,980,000				2,980,000
	Total	**2,980,000**	**0**	**0**	**0**	**2,980,000**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

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Project Number: 40000705
Project Title: 2025-27 Yakima River Basin Water Supply

SubProjects

SubProject Number: 40000713
SubProject Title: Staffing

No Operating Impact

SubProject Number: 40000714
SubProject Title: EAGL - Ecology Grant System

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 8

Project Summary

Current water resources infrastructure, programs, and policies in the Yakima River Basin are unable to consistently meet the basin's environmental and economic demands, including supporting aquatic resources, fish and wildlife habitat, dry-year irrigation, and municipal water supplies. A diverse set of local stakeholders developed the Yakima River Basin Integrated Water Resources Management Plan to provide a comprehensive, long-term water resources and habitat improvement program to address this situation. Ecology is requesting $59 million in the 2025-27 biennium to continue implementing this program in cooperation with the U.S. Bureau of Reclamation and local stakeholders. This program will support the regional economy and protect the environment. This request is directly related to implementing the Governor's Salmon Strategy. (State Building Construction Account)

Project Description

Maintain EAGL system to manage grant agreements.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A

Application process used

Competitive grants to local entities for projects developed in cooperation with the Yakima Basin Working group. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Expenditures: Estimated Total	Expenditures: Prior Biennium	Expenditures: Current Biennium	2025-27 Fiscal Period: Reapprops	2025-27 Fiscal Period: New Approps
057-1	State Bldg Constr-State	20,000				20,000
	Total	**20,000**	**0**	**0**	**0**	**20,000**

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/30/2024 8:23AM

Project Number: 40000705
Project Title: 2025-27 Yakima River Basin Water Supply

SubProjects

SubProject Number: 40000714
SubProject Title: EAGL - Ecology Grant System

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000715
SubProject Title: 2025-27 Yakima River Basin Water Supply Ten Year Financial Plan

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 8

Project Summary

Current water resources infrastructure, programs, and policies in the Yakima River Basin are unable to consistently meet the basin's environmental and economic demands, including supporting aquatic resources, fish and wildlife habitat, dry-year irrigation, and municipal water supplies. A diverse set of local stakeholders developed the Yakima River Basin Integrated Water Resources Management Plan to provide a comprehensive, long-term water resources and habitat improvement program to address this situation. Ecology is requesting $59 million in the 2025-27 biennium to continue implementing this program in cooperation with the U.S. Bureau of Reclamation and local stakeholders. This program will support the regional economy and protect the environment. This request is directly related to implementing the Governor's Salmon Strategy. (State Building Construction Account)

Project Description

Ten year financial plan.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/30/2024 8:23AM

Project Number: 40000705
Project Title: 2025-27 Yakima River Basin Water Supply

SubProjects

SubProject Number: 40000715
SubProject Title: 2025-27 Yakima River Basin Water Supply Ten Year Financial Plan

Grant Recipient Organization: N/A

RCW that establishes grant: N/A

Application process used

Competitive grants to local entities for projects developed in cooperation with the Yakima Basin Working group. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	240,000,000				
	Total	**240,000,000**	**0**	**0**	**0**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State	60,000,000	60,000,000	60,000,000	60,000,000
	Total	**60,000,000**	**60,000,000**	**60,000,000**	**60,000,000**

Operating Impacts

No Operating Impact

Ecology 2025-27 Biennium Capital Budget Project List
Office of Columbia River
Yakima River Basin Water Supply Project List

August 2024

Purpose: The Legislature authorized implementation of the Yakima Integrated Plan in 2013 (RCW 90.38) because current water supply does not meet instream or out-of-stream demand, including aquatic demands for fish and wildlife and the out-of-stream needs of irrigation and municipal supply. The Yakima River Basin Integrated Water Resource Management Plan provides water for agriculture, fish and communities by: (1) Modifying water system operation and infrastructure; (2) Building fish passage at six existing dams; (3) Implementing enhanced water conservation projects; (4) Creating additional groundwater and surface water storage capacity; (5) Enhancing and protecting habitat and increasing in-stream flows; and, (6) Employing water marketing and banking. Projects and funding are subject to change periodically as individual scope and feasibility are determined and/or changed to enable Ecology to implement the best water supply solutions available.

Rank	Project Title	Project Description	Amount	Site Address	City	County	Leg. District	WRIA	Lat.	Long.
1	Habitat	Tributary/Mainstem Habitat Restoration Projects - Fish habitat enhancement program would address mainstem and tributary habitat restoration priorities such as flow restoration, fish barrier removal, and screening diversions	7,000,000	Various	Various	Kittitas, Yakima and Benton	13,14,15,16	Various	Multiple Project Locations	Multiple Project Locations
2	Fish Passage	Cle Elum Dam Passage - Construction of down stream / upstream fish passage facilities.	3,000,000	Cle Elum Dam Road	Cle Elum	Kittitas	13	39	47.28	121.11
		Nelson Dam - Phase II	3,500,000	Powerhouse Road	Yakima	Yakima	14	38	46.63	120.59
		Bateman Island	3,000,000	1633 Columbia Park Trail	Richland	Benton	8	37	46.25	119.23
		Tieton Dam feasibility/design	1,000,000	US 12	Rimrock	Yakima	13	38	46.39	121.07
		Clear Lake Dam Passage	3,500,000	N/A	Naches	Yakima	13	38	46.37	121.16
3	Structural & Operational Modifications	Cle Elum Pool Raise - Shoreline stabilization to increase storage of Lake Cle Elum by approximately 14,600 ac-ft by raising lake level 3 feet.	1,000,000	Cle Elum Dam Road	Cle Elum	Kittitas	13	39	47.28	121.11
		Lower River projects, Prosser Dam, YN Fish facility, Chandler electrication,	10,000,000	Various	Various	Various	13,14,15,16	Various	Multiple Project Locations	Multiple Project Locations
		Misc. Structural Projects, WIP, YTID, Wanawish Other	2,000,000	Various	Various	Various	13,14,15,16	Various	Multiple Project Locations	Multiple Project Locations
4	Surface Storage	KDRPP project would provide additional pump capacity on Lake Kachess that would enable access to another 200,000 ac-ft of water from the lake (continue providing technical support, groundwater mitigation and bull trout enhancement).	2,000,000	Lake Kachess Road	N/A	Kittitas	13	39	47.16	121.12
		Upper (above Parker Dam) Yakima Basin Storage components may include, UYSS (Springwood), Bumping Lake, and other water storage projects yet to be identified or are included in the Yakima Basin Integrated Plan and documented in the Programmatic EIS (2012). Storage project activities include but are not limited to; geotechnical, engineering and financial studies and assessments of the Springwood reservoir, Bumping Lake enlargement, YTID French Canyon site, Wymer Reservoir site, lower basin site(s) and others yet to be determined future water supply storage locations.	8,500,000	Various	Various	Various	13,14,15,16	Various	Multiple Project Locations	Multiple Project Locations
5	Groundwater Storage	Regional Storage Options to include ASR and/or GW infiltration to be accomplished by diverting water into designed infiltration systems prior to storage releases from the Yakima Project.	3,000,000	Various	Various	Various	13,14,15,16	Various	Multiple Project Locations	Multiple Project Locations
6	Water Conservation	Agricultural Conservation projects.	7,000,000	Various	Various	Various	13,14,15,16	Various	Multiple Project Locations	Multiple Project Locations
		Municipal/Domestic Conservation projects.	500,000	Various	Various	Various	13,14,15,16	Various	Multiple Project Locations	Multiple Project Locations
7	Market Driven Reallocation	General Support for markets to exchange water and provide banking opportunities.	1,000,000	Various	Various	Various	13,14,15,16	Various	Multiple Project Locations	Multiple Project Locations
8	Staffing	Technical and scientific staff to oversee implementation of the seven elements of the Yakima Basin Integrated Plan.	2,980,000	N/A	N/A	N/A	N/A	N/A	N/A	N/A
9	EAGL - Ecology Grant System	Maintain EAGL system to manage grant agreements.	20,000	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		TOTAL	**59,000,000**							

2025-27 Biennial Budget HEAL Act Template

Background

HEAL Act requirements

The Healthy Environment for All Act (HEAL Act), Chapter 314, Laws of 2021 (RCW 70A.02) requires that "covered and opt in agencies" must implement the requirements of the HEAL Act. This includes the:

- Department of Ecology
- Department of Agriculture
- Department of Commerce
- Department of Health
- Department of Natural Resources
- Department of Transportation
- Puget Sound Partnership
- Office of the Attorney General

HEAL Act agencies that are considering a significant agency action initiated after July 1, 2023, are required to conduct an environmental justice assessment. RCW 70A.02.010(12) specifies that significant agency actions include:

- The development and adoption of significant legislative rules as defined in RCW 34.05.328.
- The development and adoption of any new grant or loan program that the agency is explicitly authorized or required by statute to implement.
- A capital project, grant, or loan award costing at least $12,000,000.
- A transportation project, grant, or loan costing at least $15,000,000.
- The submission of agency request legislation to the Office of the Governor or OFM.

Under RCW 70A.02.080, beginning on or before July 1, 2023, covered and opt in agencies must, where practicable, take specific actions when making expenditure decisions or developing budget requests to OFM and the Legislature for programs that address or may cause environmental harms or provide environmental benefits. This includes:

- Focus applicable expenditures on creating environmental benefits that are experienced by overburdened communities and vulnerable populations, including reducing or eliminating environmental harms, creating community and population resilience, and improving the quality of life of overburdened communities and vulnerable populations.
- Create opportunities for overburdened communities and vulnerable populations to meaningfully participate in agency expenditure decisions.
- Clearly articulate environmental justice goals and performance metrics to communicate the basis for agency expenditures.
- Establish a goal of directing 40% of grants and expenditures that create environmental benefits to vulnerable populations overburdened communities.

To help OFM understand how HEAL Act agency budget requests meet HEAL Act requirements, covered agencies are required to complete additional questions related to the HEAL Act. These questions are shown below and are in addition to the equity related questions required of all agencies. Covered agencies are asked to complete the following questions and submit them through ABS.

HEAL Act questions

If you answer YES to any of these bullet points, please answer the six additional questions and submit them as an attachment through ABS.

- Is this decision package part of an agency request legislation that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding to support another significant agency action that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding for a program/project/activity that may **provide environmental benefits or reduce, mitigate, or eliminate environmental harms**, (that is not a significant agency action)? Note: This may include decision packages for programs not purposely directed to provide environmental benefits but may have an indirect or unintentional impact.

  ☒ Yes

  ☐ No

If you answer YES to any of the above bullet points, please complete these additional questions.

1. Please describe specific likely or probable environmental harms and/or benefits related to your decision package and the associated health impacts to overburdened communities and vulnerable populations.

   The grants in this budget request are not anticipated to result in environmental harms to overburdened communities and vulnerable populations. The OCR Columbia River Water Supply Development Program is designed to help meet current and future water needs throughout Eastern Washington and to meet the concurrent needs of out-of-stream uses for families, industry, and farms, and instream uses for ecosystems and fish. This work develops additional water supply to provide economic benefit to rural, Tribal, and agricultural communities to support rural areas and under-represented communities, including Tribal nations throughout Eastern Washington, that are most impacted and vulnerable to economic and health

risk from interruptions to water supply; are hardest hit by drought or low flows; and that historically have not had access to water rights and/or have inadequate sources of reliable supply.

2. Please describe the estimated percentage and amount of the requested funds that will go towards creating environmental benefits in overburdened communities and vulnerable populations as defined in OFM's the OBC map or as determined by the agency. If applicable, please include your methodology for making this estimate, including project/award lists if available.

   Ecology estimates that 75% of the grant funds would go to creating environmental benefits in overburdened communities and with vulnerable populations. This estimate is based on future grant rounds which would continue to prioritize water supply projects that benefit people statewide and in particular, rural, Tribal and economically disadvantaged populations and communities within the Yakima Basin in Eastern Washington.

3. Please describe any potential significant impacts to Indian Tribes' rights and interest in their tribal lands, as well as traditional practices.

   There are no anticipated potential negative significant impacts to Indian Tribes' rights and interest in their tribal lands, as well as traditional practices. Dependent on the specific project, this may support Tribal treaty rights regarding fishing in Usual and Accustomed Areas. If funded, grants would continue to improve water security within the Yakima Basin and would prioritize Tribes and Tribal communities where applicable.

4. Describe how your agency engaged with Tribes in developing this proposal, including offers for tribal consultation including timelines, methods for feedback, and mechanisms for Tribes to express concern, opposition, or support., and any direction provided by Tribes through this engagement.

   The Yakima River Basin Water Enhancement Project Workgroup, a stakeholder group co-chaired by us and the U.S. Bureau of Reclamation, provides policy and project development advice on implementing the Yakima River basin integrated water resource plan. Group members represent private, local, Tribal, state, federal, and environmental interests in the Yakima River basin. Meetings are quarterly and open to the public. Federal, Tribal and local government partners include the Yakama Nation, regional irrigation districts, and environmental organizations. Ecology jointly co-chairs the group with our federal partner — the U.S. Bureau of Reclamation — which manages the large Yakima irrigation project.

5. If the decision package is part of agency request legislation or supports another significant agency action that is required to complete an environmental justice assessment under RCW 70A.02.010(12), please submit the assessment as an attachment in ABS.

   N/A

6. If the decision package is part of agency request legislation or constitutes a significant agency action that is required to complete an environmental justice assessment, please describe how your agency used the environmental justice assessment process to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits. If your agency determined that you were unable to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits, please provide a justification for not doing so.

   N/A

OFM

461 - Department of Ecology
Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/3/2024 5:59PM

Project Number: **40000724**
Project Title: **2025-27 Chehalis Basin Strategy**

Description

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 9

Project Summary

In the Chehalis River Basin, five of the largest recorded floods happened in the last 30 years, degrading habitat for salmon and other aquatic species. Climate change compounds natural flooding and makes habitat restoration harder. Without aggressive action, thousands of homes are at risk, U.S. Interstate 5 will close more frequently, communities will experience up to $3.5 billion in flood-related damages, and the basin's spring-run Chinook populations will be imperiled. Ecology requests $80 million to continue implementing the Chehalis Basin Strategy to reduce flood-related damage and restore aquatic species. Directly related to implementing the Governor's Salmon Strategy. (State Building Construction Account)

Project Description

What is the proposed project?

Ecology is requesting $80 million to continue developing and implementing the Chehalis Basin Strategy for the 2,700 square-mile river drainage basin in southwest Washington. The Chehalis River Watershed is Washington's second largest river basin.

In 2016, the Washington Legislature established the Office of Chehalis Basin within Ecology and formed the independent Chehalis Basin Board (Board), made up of members representing diverse perspectives, including local and Tribal governments and conservation and agricultural interests in the Chehalis River Basin. The board also includes representatives from the Department of Ecology, the Department of Fish and Wildlife, the Department of Natural Resources, the Department of Transportation, as well as the Washington State Conservation Commission.

The board oversees the Chehalis Basin Long-Term Strategy (RCW 43.21A.731), which is designed to restore aquatic habitat and protect residents from damages from major floods and develops and submits budget recommendations to the Governor to put the strategy into place.

In June of 2023, Ecology submitted a mandated report (Chehalis Basin Strategy: An Integrated Long-Term Plan to Improve Aquatic Species and Reduce Flood Damage: https://apps.ecology.wa.gov/publications/documents/2313003.pdf) to the Legislature. This report described the progress that's been made with $152 million in state investments resulting in more than 140 on-the-ground flood damage and habitat restoration projects being put in place or actively underway. Ecology has also helped build new collaborative programs and decision-making structures, including state-of-the-art climate and fish modeling for the Chehalis Basin. We also initiated exploratory analyses to inform long-term planning decisions.

During the 2023-25 biennium, the board worked with Ecology to finalize its vision of an integrated long-term strategy built on advanced scientific and technical information, exploratory analyses, and evaluations of options. This includes:

• Provisional decisions on recommended flood damage reduction approaches.
• Appropriate long-term investment levels.
• Maximizing flood-damage reduction and aquatic habitat restoration benefits by prioritizing and sequencing strategy implementation.
• Monitoring the strategy's performance by finalizing quantitative and qualitative outcome measures.
• Recommending new governance structures, if required, to carry out the strategy.

Ecology and the board will continue supporting on-the-ground priority investments for both aquatic species and flood damage reduction across the basin. At the board's direction, Ecology will administer funding and coordinate the initiation and completion of projects. The Board is currently developing the 2025-27 biennium project list, which is expected to be finalized by December 2024.

Project Number: 40000724
Project Title: 2025-27 Chehalis Basin Strategy

Description

The project list will include a combination of existing projects requiring the next phase of funding as well as new projects in need of initial funding. For the 2025-27 biennium, projects are proposed in the following categories, including specific milestones:

Flood Damage Reduction

• **Flood Retention Facility**: Using new applicable information provided by the project proponent, Chehalis River Basin Flood Control Zone District, Ecology should complete a draft revised state Environmental Impact Statement (EIS) for a proposed flood retention dam on the Chehalis River near Pe Ell. The revised draft EIS will be available for public comment in the fall of 2025, and a final EIS is anticipated in early 2026.

• **Local Actions Non-Dam Alternative**: Refining the levee, diversion, and conveyance options identified and analyzed during the 2023-25 biennium through the Local Actions Non-Dam Alternative (LAND) process, designed to explore ways to reduce basin flooding impacts without a flood retention dam. This includes filling key information gaps, conducting more hydraulic and hydrologic modeling, undertaking feasibility analyses, and/or further exploring and refining the project.

• **Chehalis River Basin Flood Authority**: Continuing the implementation of projects that are designed to reduce flood damages and manage erosion prioritized by the Chehalis River Basin Flood Authority.

• **Community Flood Assistance and Resilience**: Continuing the implementation of this Ecology assistance program, including funding floodproofing, elevating, moving, and/or clearing structures at risk of flood damage while providing technical assistance to local governments and Tribes seeking to improve local flood policies and regulations.

Aquatic Species Restoration

• **Aquatic Species Restoration Plan**: Continuing the implementation of new priority restoration and protection projects focused on improving habitat for at-risk species using a science-based, collaboratively developed framework. This could include funding new river reach-scale projects designed to protect critical habitat and at-risk species, constructing new restoration projects to protect critical amphibian habitat and create cold water refuge habitat, acquiring property to protect high-quality habitat, and developing and designing projects in priority sub-basins to help projects be construction-ready for funding. It will also include monitoring and adaptively managing the habitat restoration program.

• **All-Hs and Predation**: Continuing to support work by the Washington Department of Fish and Wildlife, the Quinault Indian Nation, and the Confederated Tribes of the Chehalis Nation to advance other aquatic species actions not addressed through the aquatic species restoration program. Actions could include continuing work on the integrated management of habitat, harvest, hatcheries, hydropower (All-Hs), and predation. Other actions could include additional analyses of spring Chinook in the Skookumchuck River. Threatened spring-run Chinook are petitioned for listing under the federal Endangered Species Act.

Integrated

• **Skookumchuck Dam**: Continuing Ecology's analyses related to the Skookumchuck River dam, including potential dam removal, making physical modifications to the dam to improve fish passage and decrease flood damage, and implementing operational changes.

• **Erosion Management Program**: Continuing implementation of our efforts to manage erosion, reduce flood damage, and improve aquatic species habitat by implementing bioengineering stabilization projects at locations with active erosion.

Project Number: 40000724
Project Title: 2025-27 Chehalis Basin Strategy

Description

• **Acquisition Program**: Implementing a newly developed program for voluntary, multi-benefit land acquisition projects.

• **Federal Funding Strategy**: Hiring a consultant experienced in federal grant writing to review the list of 2025-27 projects, identify federal funding sources with a high likelihood of funding those projects, and implement support through Ecology's Office of Chehalis Basin to apply to and administer awarded federal grant funds to local project sponsors.

• **Strategy Participation**: Continuing support for local and Tribal government staff time as well as state agency expertise needed to participate in board and work group meetings, workshops, and providing technical assistance.

Core Office of Chehalis Basin and Board activities

• **Core Activities**: Continuing Ecology support for core Board operations and staffing as well as support for Office of Chehalis Basin operations, oversight, coordination, fiscal accountability, and contractor management.

The Washington State Recreation and Conservation Office (RCO) is currently Ecology's primary fiscal agent for its Office of Chehalis Basin. RCO has acted in this capacity since the 2017-19 biennium and manages funding and agreements for a network of partners carrying out the Chehalis Basin Strategy, including other state agencies, Tribes, and local jurisdictions as well as private firms and non-profit entities.

For the 2025-27 biennium, Ecology and RCO determined that to ensure the continued success of the strategy, the fiscal management provided by RCO will be transitioned to Ecology. Therefore, Ecology is requesting additional staff to fill this new role.

What opportunity or problem is driving this request?
When the Legislature created Ecology's Office of Chehalis Basin (OCB) and the Chehalis Basin Board, lawmakers directed Ecology to use the Columbia River Basin Water Supply Program as the model for developing the Chehalis Basin Long-Term Strategy. OCB works together with the board to develop and implement a strategy aimed at reducing flood-related damages and restoring aquatic species habitat in the Chehalis River basin. Ecology administers the funding for the strategy.

Between 1980 and 2023, Lewis County and its incorporated cities led the state in payments for flood-related claims through the National Flood Insurance Program. At the same time, the best available science showed that without aggressive actions to protect and restore habitat, salmon and other native aquatic species in the Chehalis River Basin will likely face being placed on the federal Endangered Species Act (ESA) listing. Spring-run Chinook salmon are currently under consideration for the ESA listing. The strategy aims to reverse these trends. Ecology and the board are working in partnership with an array of public, non-profit, and private entities to design projects that address flood damage and degraded aquatic habitat on a local and basin-wide scale.

What are the specific benefits of this project?
This request will reduce damages from catastrophic flooding in the Chehalis River basin and put a comprehensive restoration plan in place that supports habitat function, ecosystem processes, and populations of native aquatic and semi-aquatic species, including spring Chinook salmon. These elements are creating flood-and climate-resilient systems that support human needs. The comprehensive, Long-Term Strategy is composed of a series of project elements. Some are already being implemented while others are still being put in place.

There are about 1,400 structures within the mainstem of the Chehalis River's 100-year floodplain. Depending on the actions adopted in the final strategy, flood damage to most communities will be reduced or eliminated, particularly communities

Description

upstream of the Grand Mound, including Adna, Centralia, Chehalis, and Doty. The strategy also includes the Wewaykum River sub-basin and downtown cores of Aberdeen and Hoquiam. It will establish a new basin paradigm with the resiliency and preparedness replacing the cycle of repeated damage and recovery from floods.

Outside the basin's 100-year floodplains, there are about four times as many structures along the tributaries to the Chehalis River's mainstem. Between 25% and 75% of these structures can be protected in ways that reduce their exposure to flood damage and escalating rates for flood insurance premiums. Large-scale actions are also being developed to reduce or eliminate closures of U.S. Interstate 5 through Centralia and Chehalis during major and catastrophic flood events. This will benefit basin communities as well as regional travelers and avoid disruptions to local, state, national, and international economies.

The strategy will provide public health and environmental benefits by putting flood-damage reduction actions in place that maintain access to public roads during floods and protect public infrastructure and other facilities. To advance floodplain management policies and regulations, local governments benefit from support by Ecology staff and its consultants. Local jurisdictions also receive funding to implement priority local-scale flood damage reduction projects. Local partners benefit from a planning and investment strategy that can be used throughout the basin.

During the 2025-27 biennium, the next phases of the 30-year Aquatic Species Restoration Plan will provide additional environmental benefits. During the past four biennia, the plan has on average restored 2.4 river miles and 70 acres of floodplain, protected 74 acres of existing habitat, and made 28 new miles of river accessible to fish per biennium. This pace of environmental protection and restoration is expected to accelerate in the coming biennium as investments to improve local project sponsor capacity begin to show dividends.

This request will also provide economic benefits to the state by creating up to 230 jobs per year during the next four years, based on Office of Financial Management estimates.

What are the effects of non-funding?
Ecology's Office of Chehalis Basin (OCB) is tasked with aggressively pursuing and funding the implementation of a long-term integrated strategy to reduce flood-related damage and restore aquatic species habitat in the Chehalis River Basin. Without funding during the 2025-27 biennium, OCB would be unable to fulfill this obligation, and the development and implementation of the Chehalis Basin Strategy will be curtailed. A significant investment in time and funds will be lost, and we would fail to sustain the multi-benefit planning and capital project work that's been supported by state funds.

It is predicted that climate change will cause 100-year floods to become 10-year floods, costing billions of dollars in economic impact to the state unless there is aggressive intervention to reduce flood damages. Salmon and steelhead populations are predicted to decline to half their current numbers, and spring Chinook may disappear from the Chehalis Basin without protection and restoration actions.

Fish passage barriers, identified by the Department of Fish and Wildlife, the Quinault Indian Nation, and the Chehalis Tribe as high priority for salmon, would not be corrected and continue to block access to important upstream spawning and rearing habitat. This includes local government barriers or culverts on private land in priority aquatic habitat areas not covered by the federal injunction.

Conservation districts and non-profit conservation organizations would be unable to continue building partnerships with willing landowners to develop, design, and construct aquatic habitat restoration projects.

Grays Harbor, Lewis, Mason, and Thurston counties, along with the cities and communities within the basin, would not

Description

receive the financial assistance they need to implement their highest-priority projects to protect public infrastructure. Additionally, they would lack the technical assistance required to aid their residents to reduce future flood damage through modifications in land-use practices, as well as promoting home elevations, flood-proofing measures, and property buyouts.

Basin residents seeking technical and financial assistance to avoid future flood damage by elevating, floodproofing, relocating, or selling their homes would not be helped.

Why is this the best option or alternative?
This request for new funding will allow Chehalis Basin projects to continue in the 2025-27 biennium. State law (HB 2856) established Ecology's Office of Chehalis Basin and the Chehalis Basin Board to aggressively pursue development and implementation of an integrated strategy and administer funding for long-term flood damage reduction projects and aquatic species restoration activities in the Chehalis River Basin.

How will clients be affected and services change if this project is funded?
This request will support Ecology's ongoing investment in projects critical for reducing flood hazards and improving aquatic species habitat. This includes providing direct relief to affected communities through capital projects and improving access to the decision-making and policy aspects of the broader Chehalis Basin Strategy's collaborative partnership.

Funding for the strategy complements and enhances existing efforts by local organizations such as the Chehalis Basin Lead Entity, Grays Harbor, Lewis and Thurston counties, non-profit organizations, and others to enhance and restore aquatic species habitat by providing match funding, supporting the development of new projects, and convening partners through groups such as the Aquatic Species Restoration Plan Steering Committee. The strategy supports efforts by the Chehalis River Basin Flood Authority to coordinate and fund flood-damage reduction activities identified and sponsored by local communities.

Focus on Equity:
Target Populations and Communities
This request is intended to target benefits to affected Tribes and vulnerable populations. There are sovereign Tribal nations with direct interests in the Basin. The Confederated Tribes of the Chehalis Reservation are a federally recognized Tribe with a reservation wholly within the Chehalis River basin. The Quinault Indian Nation reservation lies outside the basin, but the Quinault Tribe has treaty rights to fish, hunt and gather in streams that flow into Grays Harbor. Major flood events have had significant impacts on Tribal lands and resources. Past flooding in the Chehalis River basin has isolated portions of the Chehalis Reservation, cutting off access to basic goods and services, and threatening water and wastewater infrastructure. This request ensures funding that supports these critical resources for the Tribes and the state.

Flooding also disproportionately affects vulnerable populations, specifically lower-income communities and areas affected by flooding. Lower-income individuals are more likely to live in areas susceptible to flooding and often face significant barriers in recovering from flood damage. This national trend is present in the Chehalis River basin (https://econw.com/project/socioeconomic-analysis-of-the-chehalis-river-basin-flood-damage-reduction-project/). This request is intended to support targeted interventions to support lower-income communities. Examples include the Community Flood Assistance and Resilience program which floodproofs, elevates, and buys out at-risk properties. Ecology is currently developing materials and strategies for renters in flood-prone structures and for Spanish speaking residents. Other projects to be funded by Ecology include the construction of the North Shore Levee in the cities of Aberdeen and Hoquiam, two communities with significant disadvantaged populations.

Project Number: 40000724
Project Title: 2025-27 Chehalis Basin Strategy

Description

Community Outreach and Engagement
The Office of Chehalis Basin provides participation grants to the Quinault Indian Nation and Confederated Tribes of the Chehalis Reservation to help develop and implement all aspects of the Chehalis Basin Strategy. Ecology also funds Tribal participation on multiple committees, project teams, technical and policy working groups, and other ad hoc efforts.

The Chehalis Basin Board includes representatives from the Confederated Tribes of the Chehalis Reservation and Quinault Indian Nation as well as Lewis and Grays Harbor counties. The Board engages in an extensive budget development process during its monthly meetings, which are open to the public. Many elements in this budget proposal were developed through engagement with organizations such as the Chehalis River Basin Flood Authority and with workgroups such as the Local Actions Non-Dam alternative. Collaboration with these entities and workgroups better supports engagement with community members from overburdened areas, vulnerable populations, and broad geographic representation.

Disproportional Impact Considerations
This request and associated actions are not anticipated to have negative or disproportionate impacts to Tribes, overburdened communities, or vulnerable populations.

The cities of Aberdeen and Hoquiam and several other communities within the Chehalis River Basin have been identified as having significant socioeconomic disparities, including populations with health vulnerability, populations experiencing significant poverty at rates equal to or above the national poverty rate, and unaffordable housing (which most significantly impacts renters). Due to these factors, many people in these communities will be less prepared for flooding and other disasters and may also have fewer resources to invest in recovery. By addressing flood damage impacts and restoring aquatic species habitat, this request supports efforts to strengthen ecological and community resiliency in the face of climate change.

HEAL Act Agencies Supplemental Questions
See attached.

What is the agency's proposed funding strategy for the project?
Ecology is seeking funding from the State Building Construction Account for this request. Our Office of Chehalis Basin also works with the Washington State Conservation Commission, the state Military Department's Emergency Management Division, and Washington's congressional delegation to secure federal funding to support aquatic habitat restoration and flood mitigation projects. Ecology has identified clusters of projects that could be eligible for specific federal grants and is working internally as well as with state agency partners and local sponsors to apply for federal grants as funding opportunities become available.

There are no match requirements for local flood damage reduction projects, but through the Chehalis River Basin Flood Authority review process, accepted by the Chehalis Basin Board for consideration, it requires applicants to provide information about matching funds they have committed as well as funds they hope to leverage. This information will be used to evaluate the feasibility of specific projects and may affect their prioritization.

This funding request includes $40,000 to set up and maintain funded projects through the agency's grant and loan system.

Are FTEs required to support this project?
To support the Chehalis Basin Strategy, Ecology is requesting a total base minimum of 16.6 FTEs in the 2025-27 biennium. A portion of these FTEs (11.5 direct FTEs) will staff our Office of Chehalis Basin (OCB) and provide financial accountability and project management, technical assistance, and stakeholder coordination on individual projects. The increase in OCB staffing

Description

is a result of the transition of all grant and contract fiscal oversight from Recreation and Conservation Office (RCO) to Ecology within the calendar year of 2025. In addition to administering grants and contracts, Ecology staff will continue supporting the Chehalis Basin Board by organizing and coordinating consultants and planning, gathering, and preparing information and presentations for board meetings.

Ecology Office of Chehalis Basin staff also attend meetings held by the Aquatic Species Restoration Plan Steering Committee, the Regional Implementation Team, and the Technical Advisory Group; the Chehalis River Basin Flood Authority, the Chehalis Basin Partnership, and the Chehalis Basin Habitat Workgroup. Office staff serve as the primary point of contact for board members, local and Tribal governments, state and federal agencies, and other entities. Ecology also provides communications and outreach support, budget and management support, and administrative support to the board.

A portion of this capital request will be used to support:
- 1.0 FTE OCB Director
- 1.0 FTE Office Manager
- 1.0 FTE Principal Planner
- 1.0 FTE Program Operations Coordinator
- 1.0 FTE Community Flood Assistance & Resiliency (CFAR) Technical Assistance
- 1.0 FTE Habitat and Restoration Project Manager
- 1.0 FTE Financial Manager
- 2.0 FTE Project Planner
- 2.0 FTE Grants and Contracts Specialists
- 0.25 FTE Budget Manager
- 0.25 FTE Communications Manager

The remaining direct FTEs will provide technical support for flood damage reduction and integrated flood and aquatic species projects in the basin. Work will include evaluating grant proposals and serving on technical working groups to develop elements of the Chehalis Basin Strategy. Staff will also conduct stream monitoring.

Pending the Chehalis Basin Board’s review and approval of the final 2025-27 project list, Ecology may require additional FTEs to oversee contracts and grants to ensure compliance with state law and Ecology policies. We may also need staff to provide increased technical assistance to local governments and landowners, model and monitor water quality, conduct economic evaluations, review geotechnical engineering reports, and provide permitting support associated with implementing local flood-damage reduction and habitat restoration projects.

Please note that under this capital program, these FTEs support projects using new appropriations and reappropriated funds.

How does the project support the agency and statewide results?
This request is essential to achieving the Governor’s Results Washington Goal 2: Prosperous Economy because it will prevent the serious economic consequences an Endangered Species List (ESA) listing could cause Tribal, commercial, and recreational fishers. This request will also prevent $3.5 billion in damage to families and communities over the next 100 years.

This request is essential to achieving Governor’s Results Washington Goal 3: Sustainable Energy & Clean Environment and Ecology’s Goal 2: Reduce and Prepare for Climate Impacts and Goal 4: Protect and Manage Our State’s Waters because it will implement a collaboratively developed, integrated strategy for long-term flood damage reduction and aquatic species restoration in the Chehalis River basin by preparing the basin for predicted larger winter floods, sea level rise, and negative

Project Number: 40000724
Project Title: 2025-27 Chehalis Basin Strategy

Description

impacts to aquatic species from a warming climate and drier summers.

How will the other state programs or units of government be affected if this project is funded?
This request will provide funding for technical support staff and research efforts at the state departments of Ecology, Fish and Wildlife, Natural Resources, and Transportation, and the Washington State Conservation Commission. Details about these efforts will be included in the final project list for the 2025-27 biennium. Funding has also been provided, and is anticipated to continue for local and Tribal governments and other state and federal agencies to help develop and implement the Chehalis Basin Strategy.

Proviso

The appropriation in this section is subject to the following conditions and limitations: (1) $74,750,000 of the appropriation in this section is provided solely for Board-approved projects: (a) To protect and restore aquatic species habitat, including: Construction and property acquisition; preconstruction and acquisition planning and project development, feasibility, design, environmental review, and permitting; postconstruction and acquisition monitoring and adaptive management; and engagement of state agencies, tribes, conservation partners, landowners, and other parties; (b) To reduce flood damage, including: Construction and property acquisition; preconstruction and acquisition project planning and development, feasibility, design, environmental review, and permitting; completion of environmental review and endangered species act consultation on the proposed flood protection facility; refinement and evaluation of the local action non-dam alternative; and engagement of state agencies, tribes, project sponsors, landowners, and other parties; and (c) That advance both the habitat restoration and the flood damage reduction goals of the Chehalis Basin Strategy using a multi-benefit approach, including: Community outreach and education; construction and property acquisition; preconstruction and acquisition planning and project development, feasibility, design, environmental review, and permitting; postconstruction and acquisition monitoring and adaptive management; and engagement of federal, state, and local agencies, tribes, conservation partners, landowners, and other parties. (2) $5,250,000 of the appropriation in this section is provided solely for the operations of the office of Chehalis Basin and Chehalis Basin Board to oversee the development, implementation, and amendment of the Chehalis Basin Strategy, and this is the maximum amount the board may expend for this purpose. Oversight operations include, but are not limited to: Providing financial accountability, contract administration, project management, and board meeting administration and facilitation. (3) Specific projects must be approved by at least six of the seven voting members of the Chehalis Basin Board. The Chehalis Basin Board has the discretion to allocate the funding between subsections (1)(a), (b), and (c) of this section as needed to meet the objectives of this appropriation and if approved by at least six of the seven voting members of the board. However, $5,250,000 is the maximum amount the department may expend for the purposes of subsection (2) of this section.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/3/2024 5:59PM

Project Number: **40000724**
Project Title: **2025-27 Chehalis Basin Strategy**

Description

Grant Recipient Organization: State, local, tribal, and community groups, agencies, and contractors

RCW that establishes grant: RCW 43.21A.730 -.733

Application process used

Project lists are created through application of ranking criteria approved by the Chehalis Basin Board. Costs include set up and modification of the applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	400,000,000				80,000,000
	Total	**400,000,000**	**0**	**0**	**0**	**80,000,000**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State	80,000,000	80,000,000	80,000,000	80,000,000
	Total	**80,000,000**	**80,000,000**	**80,000,000**	**80,000,000**

Operating Impacts

No Operating Impact

2025-27 Biennial Budget HEAL Act Template

Background

HEAL Act requirements

The Healthy Environment for All Act (HEAL Act), Chapter 314, Laws of 2021 (RCW 70A.02) requires that "covered and opt in agencies" must implement the requirements of the HEAL Act. This includes the:

- Department of Ecology
- Department of Agriculture
- Department of Commerce
- Department of Health
- Department of Natural Resources
- Department of Transportation
- Puget Sound Partnership
- Office of the Attorney General

HEAL Act agencies that are considering a significant agency action initiated after July 1, 2023, are required to conduct an environmental justice assessment. RCW 70A.02.010(12) specifies that significant agency actions include:

- The development and adoption of significant legislative rules as defined in RCW 34.05.328.
- The development and adoption of any new grant or loan program that the agency is explicitly authorized or required by statute to implement.
- A capital project, grant, or loan award costing at least $12,000,000.
- A transportation project, grant, or loan costing at least $15,000,000.
- The submission of agency request legislation to the Office of the Governor or OFM.

Under RCW 70A.02.080, beginning on or before July 1, 2023, covered and opt in agencies must, where practicable, take specific actions when making expenditure decisions or developing budget requests to OFM and the Legislature for programs that address or may cause environmental harms or provide environmental benefits. This includes:

- Focus applicable expenditures on creating environmental benefits that are experienced by overburdened communities and vulnerable populations, including reducing or eliminating environmental harms, creating community and population resilience, and improving the quality of life of overburdened communities and vulnerable populations.
- Create opportunities for overburdened communities and vulnerable populations to meaningfully participate in agency expenditure decisions.
- Clearly articulate environmental justice goals and performance metrics to communicate the basis for agency expenditures.
- Establish a goal of directing 40% of grants and expenditures that create environmental benefits to vulnerable populations overburdened communities.

To help OFM understand how HEAL Act agency budget requests meet HEAL Act requirements, covered agencies are required to complete additional questions related to the HEAL Act. These questions are shown below and are in addition to the equity related questions required of all agencies. Covered agencies are asked to complete the following questions and submit them through ABS.

HEAL Act questions

If you answer YES to any of these bullet points, please answer the six additional questions and submit them as an attachment through ABS.

- Is this decision package part of an agency request legislation that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding to support another significant agency action that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☒ Yes

  ☐ No

- Is this decision package requesting funding for a program/project/activity that may **provide environmental benefits or reduce, mitigate, or eliminate environmental harms**, (that is not a significant agency action)? Note: This may include decision packages for programs not purposely directed to provide environmental benefits but may have an indirect or unintentional impact.

  ☒ Yes

  ☐ No

If you answer YES to any of the above bullet points, please complete these additional questions.

1. Please describe specific likely or probable environmental harms and/or benefits related to your decision package and the associated health impacts to overburdened communities and vulnerable populations.

   We do not anticipate environmental harms or associated health impacts to overburdened communities and vulnerable populations related to this decision package. This decision package is intended to provide direct benefits to overburdened areas and vulnerable populations. The cities of Aberdeen and Hoquiam and several other communities within the Chehalis River Basin have been identified as having significant socioeconomic disparities, including populations with health vulnerability, populations experiencing significant poverty at rates equal to or above the national poverty rate, and unaffordable housing (which most significantly impacts renters). Due to these factors, many people in these communities will be less prepared for flooding and other

disasters and may also have fewer resources to invest in recovery. By addressing flood damage impacts and restoring aquatic species habitat, this request supports efforts to strengthen ecological and community resiliency in the face of climate change.

2. Please describe the estimated percentage and amount of the requested funds that will go towards creating environmental benefits in overburdened communities and vulnerable populations as defined in OFM's the OBC map or as determined by the agency. If applicable, please include your methodology for making this estimate, including project/award lists if available.

   The estimated budget for the FRE project in the 25-27 biennium is between $9 million and $24 million. Because the FRE is currently in the design and environmental review phase, there are no data or methods to assess or estimate the amount of the requested funds that will go towards creating environmental benefits in overburdened communities and vulnerable.

3. Please describe any potential significant impacts to Indian Tribes' rights and interest in their tribal lands, as well as traditional practices.

   The proposed project would affect the flood-prone reservation of the Chehalis Tribe by reducing flooding. It would have impacts to fish and other aquatic species in the treaty-protected usual and accustomed fishing places of the Quinault Indian Nation. The Chehalis Tribe also has a historical and culturally important fishery that would be affected by the project. Both the Tribe and the Nation are participating in the NEPA EIS process and the associated Section 106 tribal consultation.

4. Describe how your agency engaged with Tribes in developing this proposal, including offers for tribal consultation including timelines, methods for feedback, and mechanisms for Tribes to express concern, opposition, or support., and any direction provided by Tribes through this engagement.

   The Chehalis Tribe and the Quinault Indian Nation have been members of the Chehalis Basin Board since it was created in 2016. The Board has supported the evaluation of the FRE in all of their biennial appropriations, including their proposed appropriation for 25-27, which they have independent authority to submit to the Governor under RCW 43.21A.731. Both the Chehalis Tribe and the Quinault Indian Nation use their positions on the Board to help direct the course of the FRE project, up to and including meeting directly with the project sponsor during the budget development process to negotiate which specific aspects of the analysis can happen during the biennium.

5. If the decision package is part of agency request legislation or supports another significant agency action that is required to complete an environmental justice assessment under RCW 70A.02.010(12), please submit the assessment as an attachment in ABS.

   If funding is provided for any requested project over $12 million, constituting a significant agency action, an environmental justice assessment will be done at the time the award is confirmed.

6. If the decision package is part of agency request legislation or constitutes a significant agency action that is required to complete an environmental justice assessment, please describe how your agency used the environmental justice assessment process to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits. If your agency determined that you were unable to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits, please provide a justification for not doing so.

   N/A

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OFM

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/1/2024 1:19PM

Project Number: 40000720
Project Title: 2025-27 Puget Sound Nutrient Reduction Grant Program

Description

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 11

Project Summary

Puget Sound is significantly degraded by human sources of excess nutrients, which negatively affect water quality, disrupt the food chain, and harm our orca and salmon populations. This request will build on an initial planning grant cycle for a larger, second phase of implementation: capital pass-through grants to Puget Sound municipalities for permit-required wastewater nutrient reduction planning and implementation activities. Meeting nutrient discharge limits has a significant financial impact on communities that must comply, and this funding will help offset the financial burden on ratepayers and ensure facilities comply with permit requirements. Related to implementing Washington's Climate Resilience Strategy, the Governor's Salmon Strategy, and the Puget Sound Action Agenda. (State Building Construction Account)

Project Description

What is the proposed project?

Ecology is requesting $30 million for the second phase of the Puget Sound Nutrient Reduction Grant Program.

In 2017, Ecology initiated the Puget Sound Nutrient Source Reduction Project and the Puget Sound Nutrient Forum to find ways to improve dissolved oxygen (DO) conditions in Puget Sound. The project is a collaborative effort with partners to find the best solutions for reducing human sources of excess nutrients in Puget Sound. The Forum is a large public advisory group including federal, state, and local governments; permittees; nongovernmental organizations; environmental nonprofit organizations; academics and researchers; and concerned residents. It was created to discuss, learn, and provide input as Ecology explores solutions for point and nonpoint sources of excess nutrients.

In January 2019, a modeling analysis (https://apps.ecology.wa.gov/publications/SummaryPages/1903001.html) from the Puget Sound Nutrient Source Reduction Project confirmed municipal wastewater facilities are contributing to DO impairments. This finding initiated Clean Water Act (CWA) requirements to limit nutrient discharges in National Pollutant Discharge Elimination System (NPDES) permits for these facilities.

In January 2020, after public feedback on Ecology's preliminary determination to develop a general permit showed conditional support for the approach, Ecology developed a general permit to address excess nutrients from all Puget Sound municipal wastewater facilities.

This general permit:
• Creates a single coordinated public engagement process and allows flexibility for communities to collectively address nutrients.
• Places Wastewater Treatment Plants (WWTPs) on a shared schedule rather than staggered permit reissuance schedules for individual permits.
• Creates an opportunity to develop consistent facility data by aligning monitoring requirements for permittees.

With feedback from the Forum, Ecology issued the general permit, effective on January 1, 2022.

The greatest barrier to reducing nutrients in Puget Sound is the cost of facility upgrades, which ultimately becomes a burden on ratepayers and creates both equity and affordability concerns. The 43 municipalities subject to the permit have a broad range of facility types and discharge volumes.

To address these concerns and move forward with helping permittees achieve compliance, the Legislature provided $9 million in the 2021-23 biennium to create the Puget Sound Nutrient Reduction Grants Program (https://ecology.wa.gov/About-us/Payments-contracts-grants/Grants-loans/Find-a-grant-or-loan/Puget-Sound-Nutrient-Reduction).

Project Number: 40000720
Project Title: 2025-27 Puget Sound Nutrient Reduction Grant Program

Description

This program has worked with each municipality to address specific needs and support initial planning and optimization activities to better understand nutrient loading and to address necessary improvements for reducing nutrient discharges. In addition to directly funding eligible municipalities for this work, Ecology contracted with the Association of Washington Cities to provide extensive technical assistance to smaller dischargers to better plan and prepare for implementing specific nutrient reduction activities. This initial funding will end December 31, 2025.

This requested second phase of funding will build on the initial assessments and optimization efforts by supporting the implementation of direct actions to achieve significant nutrient reduction as required by Ecology. These needs vary by community but may consist of formal facility and sewer plans in preparation for design and construction, designing treatment plant upgrades, and reconfiguring treatment systems. Increased nutrient monitoring grant awards will be prioritized based on readiness to proceed and the anticipated nutrient reduction outcomes of the project. This funding will be especially important as Ecology moves toward setting specific discharge limits that will inform capital facility investments.

Ecology anticipates awarding these requested funds through its Water Quality Combined Funding Program to increase efficiency and leverage other funding resources, such as the Clean Water State Revolving Fund (CWSRF), to fund larger facility projects.

Ecology will also work with its Water Quality Financial Assistance Council (FAC) to take input and guidance on the adaptive management of this program to ensure it is responsive to municipal needs and achieves the stated goals of reducing nutrient discharges to Puget Sound.

What opportunity or problem is driving this request?
Science and modeling show human sources of nutrients are leading to low DO levels and unhealthy water quality in Puget Sound. High nutrient levels cause excessive algal and plant growth. When these algae and plants die, their decomposition uses up oxygen. Just like humans, aquatic organisms need oxygen to survive and thrive. Because of excess nutrients, many parts of Puget Sound may not have enough oxygen for marine life to survive. Aside from the water quality impacts, there is a significant financial burden on municipalities and, ultimately, ratepayers to implement necessary upgrades to wastewater treatment systems.

The Puget Sound Nutrient General Permit focuses on monitoring nutrient discharges from wastewater treatment facilities, optimizing operations of the facilities as they exist, and planning for future improvements. Improvements to infrastructure require multiple years of capital support. These improvements ensure that future generations will be able to enjoy Puget Sound as a place for recreation, fishing, shell fishing, and wildlife viewing.

Meeting nutrient discharge limits has a significant financial impact on those facilities and municipalities that must comply. This second phase of funding is intended to build on initial planning and optimization work and to help offset the financial burden of implementation and ensure that our local facilities can meet the discharge limits over time without undue impact to ratepayers. It is important for Ecology to leverage the momentum of initial planning and technical assistance to help municipalities move forward in achieving significant nutrient reduction and the limits that will be set in future permit actions.

Eligible funding recipients include the 43 municipalities around Puget Sound covered under the nutrient general permit. See attachments A and B in the supporting materials section.

What are the specific benefits of this project?
This grant program will provide key financial resources for Puget Sound municipalities to move forward with immediate actions. These include optimizing processes to reduce nutrient levels and site-specific facility planning, design, and

Description

construction of facility improvements that reduce nutrients and toxic pollutants in wastewater discharge. These investments will lead to nutrient and toxics reductions that will improve and protect the Puget Sound ecosystem. Water quality will be improved, aquatic life will be protected, and improvements to the food chain will help support healthy salmon and orca populations. This, in turn, protects Washington's natural resource-based economy.

This program will support local economies by offsetting the costs associated with implementing the nutrient general permit. Ratepayers in communities implementing the nutrient general permit usually bear the impact of infrastructure improvements at WWTPs through rate increases. This grant funding investment will help communities reduce impacts on sewer rates and promote local economic stability.

This request will also provide economic benefits to the state by creating up to 91 jobs during the next four years, based on Office of Financial Management estimates.

What are the effects of non-funding?
If this request is not funded, local government municipalities would be required to finance projects with local resources or through taking on debt, potentially resulting in dramatic sewer rate increases. This would lead to potential delays in planning and implementation as municipalities look for opportunities to defer the financial impacts as much as possible.

Without added financial assistance, nutrient reduction and the associated improvement to water quality and ecosystem function would be far more challenging to accomplish. A recent study of small- and moderate-sized facilities by the Association of Washington Cities notes continued optimization costs in the tens to hundreds of thousands of dollars, with capital costs for meeting permit conditions in the millions for each facility.

Inadequate financial support also burdens ratepayers and would lead to potential inequities from affordability issues. This would exacerbate existing disparities faced by low-income populations that suffer health impacts from poor water quality. Impacts would be more significant in smaller communities that have fewer ratepayers and lower average incomes.

Why is this the best option or alternative?
Ecology evaluated the option of using currently available financial resources through the Water Quality Combined Funding Program. Currently, eligible funding for these types of projects is focused on loans through CWSRF, with potential for small community hardship grant funding through the Centennial Clean Water Program (CCWP). Due to reliance on CWSRF loan funds, limited availability of CCWP grant funds, and the specific interest in helping municipalities rapidly implement nutrient reduction efforts, Ecology determined that providing relief to the impacted communities through this dedicated funding program in conjunction with the water quality Combined Funding Program is the best option. Ecology evaluated other state and federal funding programs but found the same limitations, with very limited availability in existing grant funding.

This request is timed to correspond with ongoing implementation of the Puget Sound Nutrient General Permit. Grant funding will provide resources at the optimal time to support advancing municipalities' early planning, design, and implementation projects to address the first phase of permit requirements and be better prepared for permit reissuance and associated standards and requirements.

How will clients be affected and services change if this project is funded?
This funding will be directed to the 43 municipalities affected by the nutrient general permit to help implement nutrient reduction efforts and offset financial impacts that increase sewer rates. This funding will help municipalities meet relatively new permit requirements and reduce ratepayer impacts.

Project Number: 40000720
Project Title: 2025-27 Puget Sound Nutrient Reduction Grant Program

Description

This request augments the existing water quality Combined Funding Program infrastructure by providing additional grant resources where generally only CWSRF loans are available. The second phase of this grant program will work in tandem with the CWSRF loan program, which can provide additional financing for projects that need resources beyond available grant dollars.

The CWSRF loan program, as well as other state loan programs like the Public Works Assistance Account, will also be a major resource for financing future design and construction needs once planning efforts are complete.

Focus on Equity:
Target Populations and Communities
The Puget Sound Nutrient Reduction Grant Program benefits communities and residents within the Puget Sound Basin. The overburdened communities this program is intended to benefit include Puget Sound communities whose wastewater treatment infrastructure is aging and deteriorated, threatening water quality and exposing vulnerable people to adverse human health impacts. According to the Environmental Protection Agency, areas with aging infrastructure are more likely to be where more low-income, linguistically isolated, or racially diverse people live and work. This means these vulnerable populations might face increased direct and indirect health risks from exposure to pollutants and may also bear a heavier burden of the costs and disruption of fixing utility problems. This would exacerbate existing disparities because income-constrained communities would face the health impacts of poor water quality and miss out on the potential ecosystem benefits and resulting community resilience that results from Puget Sound recovery.

By funding nutrient reduction efforts across Puget Sound, this program will aid in the recovery of Puget Sound and its ability to support Tribal treaty rights and harvesting salmon, shellfish, and other aquatic species that may have cultural relevance.

Community Outreach and Engagement
Ecology engaged with communities regularly to develop this request through the Puget Sound Nutrient Reduction Forum and the Financial Assistance Council. In addition to Ecology and other agency representatives, both groups include representatives from the public, environmental advocates, and Tribes to guide the state's response to Puget Sound nutrient reduction funding. There is broad support for increased availability of financial assistance for municipalities that are now required to implement infrastructure improvements for nutrient reduction.

Ecology engaged Tribes in the development and adaptive management of this program through presentations and active discussions at Financial Assistance Council meetings, which include Tribal representatives. Also, as planning for the second phase of funding progresses, Ecology will engage with Tribal partners to inform them of updates to the funding program guidelines. At the individual project level, Ecology staff coordinate a formal consultation process between the funding recipient and Tribes.

Disproportional Impact Considerations
Ecology anticipates this funding will provide significant benefits to eligible communities by improving infrastructure that reduces nutrient inputs to Puget Sound and improves water quality to support human uses and aquatic species. This financial support is especially key to lower-income communities who otherwise are left with the financial burden of these improvements. With costs to address excess nutrient discharges to Puget Sound ranging from $2.2 to $8.9 billion (in 2010 dollars), most of the Puget Sound Basin population is directly impacted by this effort. Ecology staff also provide extensive technical support for grant management, engineering, and planning, all of which aid overburdened communities in being successful with funding applications and informed decision-making about their projects.

By improving water quality in Puget Sound, this request will support a wide array of aquatic species, including salmon and

Description

shellfish, and ultimately will support fulfillment of Tribal treaty rights within or adjacent to Tribal lands and usual and accustomed areas. No negative impacts are anticipated, but construction of clean water facilities could impact Tribal cultural resources or historic properties. To mitigate these potential impacts, Ecology prioritizes funding for projects that include Tribal engagement, and Ecology directly coordinates cultural resource consultation on funded projects with affected Tribes under Section 106 of the National Historic Preservation Act, Governor's Executive Order 21-02, and the Washington Department of Archaeology and Historic Preservation.

HEAL Act Agencies Supplemental Questions
See attached.

What is the agency's proposed funding strategy for the project?
Ecology is requesting the State Building Construction Account (SBCA) for funding this next phase of the nutrient reduction grant program, which supports these capital facility improvement projects.

There are 43 municipalities that discharge wastewater to Puget Sound and are impacted by limits set through the issuance of the nutrient general permit. This pass-through funding program will provide grant assistance to municipalities that move forward with planning and implementing necessary infrastructure improvements that reduce nutrient discharges. There is a broad range in facility types and discharge volumes of facilities represented by this group of municipalities. This program will work with each municipality to address specific needs to achieve effective plans and actions to reduce nutrient discharges.

Funding for this project includes $20,000 to maintain and update the applications in the agency's grant and loan system.

Are FTEs required to support this project?
This request requires a total of 2.30 FTEs. These staff will administer the program, including developing and soliciting applications, updating program guidelines, negotiating funding agreements with recipients, providing technical assistance, processing payments, maintaining and overseeing agreements, conducting site visits, and closing grant awards. Staff will manage and oversee up to 58 pass-through grants to 43 permitted municipalities that discharge to Puget Sound under the nutrient general permit. This level of FTEs is increased from 1.2 in the 2021-23 biennium to reflect the ongoing and significant need for technical assistance for permitted communities—specifically small communities.

How does the project support the agency and statewide results?
This request is essential to achieving the following Governor's Results Washington goals:
• Goal 2: Prosperous Economy because it will provide opportunities for quality jobs when a new wastewater system is constructed, or an existing system is repaired or upgraded. The Office of Financial Management estimates that 12 direct and indirect jobs in Washington are created for every $1 million spent on building clean water infrastructure. The program also helps communities build well-functioning and sustainable clean water infrastructure that supports local economies.

• Goal 3: Sustainable Energy and a Clean Environment because it will provide funding for high-priority water quality projects across Puget Sound. These projects help local communities protect public health and the environment by reducing pollution in our surface waters.

• Goal 4: Health and Safe Communities because it will fund projects that address the impacts of climate change and improve community resilience through support of long-term, multi-benefit solutions to problems caused from water pollution, including excess nutrients and increased temperature.

Project Number: 40000720
Project Title: 2025-27 Puget Sound Nutrient Reduction Grant Program

Description

• Goal 5: Efficient, Effective, and Accountable Government because these nutrient reduction funds will be awarded and administered through one application rating and ranking process to award funds from a number of funding sources, including CWSRF. This creates an efficient and streamlined approach for communities to apply for funding resources through an integrated water quality financial assistance program.

This request is essential to achieving the following Ecology goals:
• Goal 1: Support and Engage our Communities, Customers, and Employees because it will support economic security by providing grant and loan subsidies to small, low-income communities to protect public health and keep utility rates reasonable.

• Goal 2: Reduce and Prepare for Climate Impacts because it will fund projects that help communities prepare for climate impacts and integrate climate resilience and long-term sustainability practices. This requested funding will help reduce the amount of nutrients discharged to Puget Sound to help improve water quality and increase ecosystem resilience, which in turn will help minimize climate impacts and protect and restore Puget Sound.

• Goal 3: Prevent and Reduce Waste, Toxic Threats, and Pollution because it will help municipalities move toward using advanced treatment technologies that reduce both nutrients and toxic pollutants discharging to Puget Sound. This supports improved water quality and ecosystem function.

• Goal 4: Protect and Manage our State's Waters because it will provide funding to municipalities to advance planning and implementation of nutrient reduction efforts that will achieve permit requirements for reducing nutrient loading in Puget Sound, improving dissolved oxygen conditions, and, in turn, habitat for aquatic species.

This request is directly related to implementing the Governor's Salmon Strategy:
• Strategy: 2. Invest in clean water infrastructure for salmon and people
• Action: 2b. Stormwater and wastewater infrastructure improvements

This request is also related to actions currently proposed in the draft Washington's Climate Resilience Strategy, which is being developed under RCW 70A.05 and will be finalized by September 30, 2024.

Puget Sound recovery
This request supports several Orca Task Force Recommendations as well as supports the 2022-2026 Puget Sound Action Agenda implementation through the Ongoing Program OGP_ECY38 Water Quality, Provide Financial Assistance, and various Vital Signs, Strategies, Desired Outcomes, and Actions included in the Action Agenda. See attachment C for a complete list of linkages between this request and the agenda.

How will the other state programs or units of government be affected if this project is funded?
The requested availability of financial assistance in association with nutrient reduction has been addressed in meetings of the Puget Sound Nutrient Reduction Forum members, which includes impacted municipalities. There is broad support for increased availability of financial assistance for municipalities that are required to implement infrastructure improvements for nutrient reduction. With collective costs to address excess nutrient discharges to Puget Sound ranging from $2.2 to $8.9 billion (in 2010 dollars), most of the Puget Sound Basin population will be directly impacted by this effort. This information can be found in the Technical and Economic Evaluation of Nitrogen and Phosphorus Removal at Municipal Wastewater Treatment Facilities report: (https://apps.ecology.wa.gov/publications/SummaryPages/1110060.html).

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/1/2024 1:19PM

Project Number: 40000720
Project Title: 2025-27 Puget Sound Nutrient Reduction Grant Program

Description

Puget Sound nutrient reduction and the associated financial impacts have been an agenda topic discussed with the Financial Assistance Council, which includes partners from local governments, environmental groups, and state and federal agencies. This advisory group broadly supports providing continued financial assistance to municipalities facing expensive infrastructure improvements associated with nutrient reduction.

More broadly, Ecology's Water Quality Program is highly engaged in cross-agency coordination and collaboration through its commitment to the Infrastructure Assistance Coordinating Council (IACC), Maximizing Resources workgroup, Small Communities Initiative (SCI), and the Sync Infrastructure Improvement Team (Ecology, Health, Commerce, Transportation, and Public Works Board).

Location
City: Statewide **County:** Statewide **Legislative District:** 098

Project Type
Grants

Grant Recipient Organization: 58 facilities in 43 municipalities impacted by the nutrient general permit
RCW that establishes grant: N/A
Application process used
This funding will be directed to municipalities directly affected by the nutrient general permit to help implement nutrient reduction capital planning and implementation, and to offset financial impacts that increase sewer rates. All impacted municipalities will be eligible to apply and grant resources will be awarded based on facility information and nutrient reduction priorities to be developed with partner input, along with a facility's readiness to proceed. Hardship status, based on median household income data for the jurisdiction, will be used to help prioritize funding to economically distressed communities that otherwise would face a significant struggle to pay anticipated sewer rate increases associated with improved treatment. Ecology anticipates awarding these requested funds through its Water Quality Combined Funding Program to increase efficiency and leverage other funding resources, such as CWSRF, to fund larger facility projects. There is a broad range in facility types and discharge volumes of facilities represented by this group of municipalities. This program will work with each municipality to address specific needs to prioritize actions to reduce nutrient discharges. Costs include maintenance and updates to the applications in the agency's grant and loan system.

Growth Management impacts
N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	New Approps
057-1	State Bldg Constr-State	150,000,000				30,000,000
	Total	**150,000,000**	**0**	**0**	**0**	**30,000,000**

		Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State	30,000,000	30,000,000	30,000,000	30,000,000
	Total	**30,000,000**	**30,000,000**	**30,000,000**	**30,000,000**

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/1/2024 1:19PM

Project Number: 40000720
Project Title: 2025-27 Puget Sound Nutrient Reduction Grant Program

Operating Impacts

No Operating Impact

Eligible Applicants for Puget Sound Nutrient Reduction Grant Funds

(Municipal facilities covered under Puget Sound Nutrient General Permit)

- Alderwood Water & Wastewater
- Anacortes
- Bainbridge Island
- Bellingham
- Birch Bay Water and Sewer District
- Blaine
- Bremerton
- Everett
- Clallam County
- Coupeville
- Eastsound Sewer & Water District* (Eastsound Orcas Village WWTP & Eastsound SWD)
- Edmonds
- Fisherman Bay Sewer District
- Friday Harbor
- Gig Harbor
- Hartstene Pointe Water-Sewer District
- King County* (Vashon WWTP, Brightwater, South WWTP, West Point WWTP)
- Kitsap County * (Kingston WWTP; Manchester WWTP; Kitsap County Central WWTP)
- Kitsap County Sewer District #7
- La Conner
- Lake Stevens Sewer District
- Lakehaven Water and Sewer District* (Lakota WWTP; Redondo WWTP)
- Langley
- Lynnwood
- Marysville
- Mason County * (Rustlewood WWTP)
- Midway Sewer District
- Mount Vernon
- Mukilteo Water and Wastewater District
- Oak Harbor
- Penn Cove Water & Sewer District
- Port Angeles
- Port Townsend
- Sequim
- Shelton
- Skagit County Sewer District #2
- Snohomish
- Southwest Suburban Sewer District* (Miller Ck WWTP, Salmon Ck WWTP)
- Stanwood
- Tacoma
- Thurston County * (Boston Harbor WWTP; Tamoshan WWTP)
- Washington State Department of Corrections* (Clallam Bay Corrections Center STP; McNeil Island Special Commitment Center STP)
- Washington State Parks and Recreation Commission
- West Sound Utility District

Permitted Puget Sound Nutrient General Permit Facilities



7/2/2024

1:1,588,640

0 12.5 25 50 mi

0 20 40 80 km

Esri, CGIAR, USGS, Washington State Department of Ecology, Water Quality Program, PARIS database, Island County, WA State Parks GIS, Esri, TomTom, Garmin, FAO, NOAA, USGS, Bureau of Land Management, EPA, NPS, USFWS

Attachment C

Linkages to Puget Sound Action Agenda Implementation

This attachment provides additional supporting details for the following capital project request (CPR) as it relates to the Puget Sound 2022-2026 Action Agenda implementation.

CPR Title: Puget Sound Nutrient Reduction Grant Program

Vital Signs

- Freshwater
- Marine Water
- Orcas
- Salmon
- Shellfish Beds
- Cultural Wellbeing

Strategies

- 11. Wastewater Systems
- 15. Salmon Harvest & Hatchery
- 16. Eelgrass, Kelp, and Other Vegetation
- 20. Climate Adaptation and Resilience
- 24. Cultural Practices
- 26. Human Health
- A. Funding

Desired Outcomes

- 2.1.1 Toxic hotspots where stormwater runoff or wastewater contain significant concentrations of numerous toxic chemicals reduced through improved source control and/or treatment.
- 2.1.4 Toxics in infrastructure and building materials removed through source control and/or management/remediation.
- 2.2.1. Municipal wastewater discharges of nutrients to Puget Sound meet water quality-based effluent limits and other requirements of the nutrients general permit.
- 4.3.1 Increase the resilience of the Puget Sound ecosystem and recovery efforts by adapting to changing climate and ocean conditions when conducting protection and restoration activities.
- 5.1.1. Opportunities for stress reduction and motivation from natural environments for diverse human communities are enhanced.
- 5.3. Participation in environmentally related cultural practices and opportunities for harvesting of quality local foods are enhanced.
- 5.6.4 Levels and patterns of pollutants and biotoxins in surface waters do not threaten the health of Puget Sound communities or vulnerable populations.

Actions

- 24. Implement habitat protection and restoration projects that restore or maintain natural nutrient attenuation functions and sediment processes in watersheds, estuaries, and tidal wetlands.
- 26. Fully implement and enforce available protections for submerged aquatic vegetation through existing regulations, programs, and policies.
- 34. Increase and stabilize funding that supports actions, incentives, and local capacity to reduce nutrient loads.
- 37. Develop a permit framework for advanced wastewater treatment to reduce nutrient discharge and other pollutants and provide technical and financial support for implementation.
- 38. Increase compliance monitoring, technical assistance, and enforcement to improve wastewater treatment plants' compliance with discharge limits for disease-causing bacteria and viruses.
- 86. Increase number. accessibility. and protections for multi-use and multi-cultural natural spaces (for example. fish and shellfish harvesting. camping. boating. and gardening. etc.). including green spaces and waterways.
- 89. Restore and enhance native fish, shellfish, game, and plant populations consistent with existing species recovery efforts.
- 91. Improve appropriate access opportunities for harvesting local foods and other culturally significant materials on public lands and shorelines.
- 128. Advance diversity, equity, inclusion, and environmental justice in Puget Sound recovery efforts.
- 150. Ensure that vulnerable populations and underserved communities are welcomed and engaged as full partners and support the priorities identified by communities when working to decrease the magnitude of climate change, advance climate change adaptation, and increase resilience to climate change.
- 161. Ecosystem recovery processes and decision making are inclusive of a broader set of committed stakeholders, including vulnerable populations and underserved communities, and diverse forms of knowledge.
- 171. Ensure that tribal nations' treaty and sovereign rights are honored when working to decrease the magnitude of climate change, advance climate change adaptation, and increase resilience to climate change.
- 173. Secure sustainable, equitable, and dedicated federal, state, local, and tribal nations funding sources to fully fund Puget Sound and salmon recovery.
- 175. Identify and expand funding for subject-specific topics with unique funding requirements (for example, onsite sewer systems and salmon recovery).
- 197. Honor tribal nations' treaty and sovereign rights, obligations and inherent sovereign interests when considering implementation of Puget Sound recovery projects and programs, and actively engage with tribal nations to align and incorporate shared goals.
- 200. Limit people's exposures to harmful water pollution.
- 205. Increase salmon abundance while protecting genetic diversity by implementing hatchery and harvest management strategies and expanding available habitat while ensuring abundant salmon for harvest, treaty rights, and other species such as Southern Resident Orca.
- 206. Ensure sustainable harvest of hatchery and natural salmon and support treaty-reserved fishing rights.

- 207. Increase coordination, efficiency, and effectiveness of current funding programs to extend impact of current funding
- 210. Strengthen relationships and understanding to enhance collaboration.

Ongoing Program - OGP_ECY38 Water Quality - Provide Financial Assistance

Orca Task Force Recommendations

- 34. Provide sustainable funding for implementation of all recommendations.
- 39. Develop a National Pollutant Discharge Elimination System permit framework for advanced wastewater treatment in Puget Sound to reduce nutrients in wastewater discharges to Puget Sound by 2022.

2025-27 Biennial Budget HEAL Act Template

Background

HEAL Act requirements

The Healthy Environment for All Act (HEAL Act), Chapter 314, Laws of 2021 (RCW 70A.02) requires that "covered and opt in agencies" must implement the requirements of the HEAL Act. This includes the:

- Department of Ecology
- Department of Agriculture
- Department of Commerce
- Department of Health
- Department of Natural Resources
- Department of Transportation
- Puget Sound Partnership
- Office of the Attorney General

HEAL Act agencies that are considering a significant agency action initiated after July 1, 2023, are required to conduct an environmental justice assessment. RCW 70A.02.010(12) specifies that significant agency actions include:

- The development and adoption of significant legislative rules as defined in RCW 34.05.328.
- The development and adoption of any new grant or loan program that the agency is explicitly authorized or required by statute to implement.
- A capital project, grant, or loan award costing at least $12,000,000.
- A transportation project, grant, or loan costing at least $15,000,000.
- The submission of agency request legislation to the Office of the Governor or OFM.

Under RCW 70A.02.080, beginning on or before July 1, 2023, covered and opt in agencies must, where practicable, take specific actions when making expenditure decisions or developing budget requests to OFM and the Legislature for programs that address or may cause environmental harms or provide environmental benefits. This includes:

- Focus applicable expenditures on creating environmental benefits that are experienced by overburdened communities and vulnerable populations, including reducing or eliminating environmental harms, creating community and population resilience, and improving the quality of life of overburdened communities and vulnerable populations.
- Create opportunities for overburdened communities and vulnerable populations to meaningfully participate in agency expenditure decisions.
- Clearly articulate environmental justice goals and performance metrics to communicate the basis for agency expenditures.
- Establish a goal of directing 40% of grants and expenditures that create environmental benefits to vulnerable populations overburdened communities.

To help OFM understand how HEAL Act agency budget requests meet HEAL Act requirements, covered agencies are required to complete additional questions related to the HEAL Act. These questions are shown below and are in addition to the equity related questions required of all agencies. Covered agencies are asked to complete the following questions and submit them through ABS.

HEAL Act questions

If you answer YES to any of these bullet points, please answer the six additional questions and submit them as an attachment through ABS.

- Is this decision package part of an agency request legislation that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding to support another significant agency action that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding for a program/project/activity that may **provide environmental benefits or reduce, mitigate, or eliminate environmental harms**, (that is not a significant agency action)? Note: This may include decision packages for programs not purposely directed to provide environmental benefits but may have an indirect or unintentional impact.

  ☒ Yes

  ☐ No

If you answer YES to any of the above bullet points, please complete these additional questions.

1. Please describe specific likely or probable environmental harms and/or benefits related to your decision package and the associated health impacts to overburdened communities and vulnerable populations.

   Ecology anticipates that this program will provide significant benefits to communities by improving infrastructure that reduces nutrient inputs to Puget Sound and improves water quality to support human uses and aquatic species. This financial support is especially key to lower-income communities who otherwise are left with the financial burden of these improvements.

   The overburdened communities this program is intended to benefit include Puget Sound communities whose wastewater treatment infrastructure is deteriorated, threatening water quality and exposing vulnerable people to adverse human health impacts due to aging infrastructure.

The Environmental Protection Agency's data shows that, areas with aging infrastructure are more likely to be where low-income, linguistically isolated, or racially diverse people live and work. This means these vulnerable populations might face increased direct and indirect health risks from exposure to pollutants and may also bear a heavier burden of the costs and inconvenience of fixing utility problems. This would exacerbate existing disparities as these income-constrained communities will face the health impacts of poor water quality and will miss out on the potential ecosystem benefits and resulting community resilience that results from Puget Sound recovery.

By improving water quality in Puget Sound, this request supports a wide array of aquatic species, including salmon and shellfish, and ultimately supports the fulfillment of Tribal treaty rights within or adjacent to tribal lands and Usual and Accustomed areas. While no negative impacts are anticipated, the construction of clean water facilities could impact Tribal cultural resources or historic properties. To mitigate these potential impacts, Ecology prioritizes funding for projects that include Tribal engagement and Ecology directly coordinates cultural resources Preservation Act, Governor's Executive Order 21-02, and the Washington Department of Archaeology and Historic Preservation.

2. Please describe the estimated percentage and amount of the requested funds that will go towards creating environmental benefits in overburdened communities and vulnerable populations as defined in OFM's the OBC map or as determined by the agency. If applicable, please include your methodology for making this estimate, including project/award lists if available.

   Ecology plans to offer at least 40% of requested funds to overburdened communities who are ready to proceed with eligible projects. Approximately 36 of the 58 (62 percent) of the currently permitted and eligible facilities that would be eligible for this funding program are located within or adjacent to census tracts classified as overburdened.

   As Phase I of this program progresses towards completion in late 2025, there is a broad range in wastewater treatment facility types and discharge volumes from this group of municipalities, along with necessary actions to meet nutrient reduction goals. As a result, funding needs may vary significantly by community, so estimating the amount of funding necessary by community is difficult.

   Ecology proposes to award funds competitively across eligible entities based on facility information and nutrient reduction priorities to be developed with partner input, along with a facility's readiness to proceed, with additional points awarded to communities with a median household income (MHI) that is less than 80% of the state MHI during application evaluation and ranking. Further, Ecology staff will prioritize overburdened communities for engagement on the funding program and is already providing additional technical assistance on application development and project planning for small and overburdened communities.

3. Please describe any potential significant impacts to Indian Tribes' rights and interest in their tribal lands, as well as traditional practices.

It is anticipated that this requested funding will provide significant water quality benefits to all Puget Sound communities, including Tribes with lands downstream of eligible facilities. Beyond direct benefits to Tribal lands, these projects are expected to improve water quality within Tribal Usual and Accustomed harvest areas for salmon and shellfish, most specifically throughout Puget Sound and the Salish Sea. Nutrient removal plays a significant role in increasing dissolved oxygen for aquatic species, reducing the threat of harmful algal blooms, and also helps to protect shellfish from acidification, all beneficial to protecting Tribal harvest and cultural practices.

It is worth noting that while eligible entities are restricted only to those publicly-owned wastewater facilities covered under the Puget Sound Nutrient General Permit, some municipalities have used funds from the first phase of this funding program to examine the feasibility of receiving wastewater from Tribal facilities, providing benefits to Tribal communities and subjecting the effluent to stricter standards as it relates to nutrient reduction.

Some funded projects may include construction activities which may have the potential to impact historic properties, including archaeological sites. These projects are subject to Governor's Executive Order 21-02 or Section 106 of the National Historic Preservation Act, and will include Tribal consultation as early as possible to identify and minimize any potential adverse effects from project activities. Projects that to do not complete the consultation process are not eligible for funding.

4. Describe how your agency engaged with Tribes in developing this proposal, including offers for tribal consultation including timelines, methods for feedback, and mechanisms for Tribes to express concern, opposition, or support., and any direction provided by Tribes through this engagement.

   Ecology engaged Tribes in the development and adaptive management of this program through presentations and active discussions at Financial Assistance Council meetings which includes Tribal representatives. Ecology's Water Quality Financial Assistance Council (FAC) consists of representatives from a broad spectrum of community partners, including Tribes. The FAC has shown support for funding specific to nutrient reduction. Further, as planning for Phase II of funding progresses, Ecology will engage with Tribal partners to inform updates to program guidelines.

   As individual projects move forward, Ecology will engage with Tribes in planning, to collect feedback, and to provide consultation as requested, or as required, such as for cultural resources under Governor's Executive Order 21-02 or Section 106 of the National Historic Preservation Act.

5. If the decision package is part of agency request legislation or supports another significant agency action that is required to complete an environmental justice assessment under RCW 70A.02.010(12), please submit the assessment as an attachment in ABS.

   N/A. This decision package is not a significant agency action.

6. If the decision package is part of agency request legislation or constitutes a significant agency action that is required to complete an environmental justice assessment, please describe how

your agency used the environmental justice assessment process to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits. If your agency determined that you were unable to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits, please provide a justification for not doing so.

N/A

461 - Department of Ecology
Capital Project Request

2025-27 Biennium

*

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/3/2024 6:05PM

Project Number: **40000725**
Project Title: **2025-27 Streamflow Restoration Program**

Description

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 17

Project Summary

Ecology is requesting $40 million to continue implementing the Streamflow Restoration Program under Chapter 90.94 RCW. This law, enacted in 2018, provides $300 million in bond authorization over 15 years to support local watershed planning and projects that will improve instream flows statewide. With this request, Ecology will deliver additional water supplies to improve instream flows for fish and wildlife. This request is directly related to implementing the Governor's Salmon Strategy and Puget Sound Action Agenda. (Watershed Restoration and Enhancement Bond Account, Watershed Restoration and Enhancement Taxable Bond Account)

Project Description

What is the proposed project?

Ecology is requesting $40 million in new appropriation authority in the 2025-27 biennium to continue implementing the Streamflow Restoration Act under Chapter 90.94 RCW, which provides for actions in watersheds to offset potential impacts to instream flows associated with permit-exempt domestic water use. The purpose of the Streamflow Restoration Program is to provide grant funding to support those actions and projects.

The law, enacted in 2018, provides $300 million in bond authorization over 15 years to support local projects that will improve instream flows statewide. To date, $75 million out of $300 million has been offered for streamflow restoration grants and planning efforts. Projects include water acquisition, storage, retiming water flows, aquifer storage and recharge, habitat improvement, water use and streamflow monitoring, and other activities that improve instream flows for fish and wildlife. Ecology will award grants on a competitive basis for projects throughout the state that improve streamflow and instream resources, as directed under the law.

Past and Current Funding

Since 2019, Ecology has held three rounds of Streamflow Restoration Program grant funding. Funding for the first three rounds includes appropriations to Ecology made in 2019, the 2019-21 biennium, and the 2021-23 biennium. Chapter 173-566 WAC defines the process and criteria for funding projects statewide under Chapter 90.94 RCW. The specific guidance, criteria, and timeline for each grant cycle is published prior to the start of that funding round, and the most current guidelines for the fourth round of grants, which are funded from the 2023-25 appropriation, were published in October of 2023. Ecology is currently reviewing and scoring those fourth-round grant applications and anticipates making offers in the summer of 2024.

2025-27 Funding Allocation Process

Ecology anticipates accepting applications and awarding funds for the fifth round of grants during the 2025-27 biennium. To expedite use of this funding, Ecology began offering the entire new appropriation through a single grant round in 2021-23, versus two annual cycles. We will continue this process with the fourth round of funding in 2023-25, with the goal of funding as many eligible projects as quickly as possible.

Prior to making the fifth grant round available, we anticipate revising the grant guidance based on lessons learned from the first four rounds. The current timeline targets early fall of 2025 to initiate the fifth grant round (using appropriation authority in this request) to accommodate both grant guidance updates. Right now, we anticipate grant funding will be awarded in June of 2026.

As we did in 2021-23 and 2023-25, Ecology will hold pre-application meetings to provide an opportunity for potential applicants to discuss details of their project with Ecology staff before submitting a final application. These meetings are required for projects that have a water rights acquisition component and optional for other projects. Ecology also holds a

Description

series of grant applicant workshops each funding cycle to provide information to potential grant applicants about the application process and purpose of the grants. Interested parties submit applications using Ecology's Administration of Grants and Loans (EAGL) system.

Funding will be available statewide on a competitive basis. Eligible applicants are limited to Tribal governments with reservation lands or treaty rights within Washington, public entities (state and local governments and quasi-governments), and non-profit organizations. Eligible projects include water right acquisitions, water storage, altered water management or infrastructure, riparian and fish habitat improvements, watershed function, environmental monitoring, and feasibility studies. Operation and maintenance costs are not eligible.

Funding guidelines for the current 2023-25 funding cycle:
https://apps.ecology.wa.gov/publications/SummaryPages/2311015.html

Ecology's streamflow restoration competitive grants will continue to help state and local agencies, Tribal governments, and non-profit organizations implement local plans and projects to improve streamflow and aquatic resources.

What opportunity or problem is driving this request?
Washington's Streamflow Restoration Act was a response to the Whatcom County vs. Hirst Supreme Court Decision ("Hirst decision") that changed how counties approve building permits that use permit-exempt wells for a water source. The law was passed on January 18, 2018, and signed by Governor Inslee the next day. The law (now Chapter 90.94 RCW) helps protect water resources and provide water for families in rural Washington.

Chapter 90.94 RCW addresses the court's decision by allowing landowners to obtain a building permit for a new home relying on a permit-exempt well. The law also required the 15 watersheds impacted by the Hirst decision to develop plans to support local solutions for improving streamflows and securing water for new rural homes. To date, 10 of the plans are complete. Ecology submitted final draft plans for the remaining five to the Salmon Recovery Funding Board (SRFB) for their technical review, as required by law.

Per RCW 90.94.030, Ecology will consider SRFB's technical review and move toward plan adoption and subsequent rulemaking. A document tracking SRFB's review and how Ecology used it will be available when plans are adopted. Once the remaining five plans are approved and implemented, Ecology anticipates an increased number of applications and an increase in the number of projects funded and implemented. For more information on these plans, see:
https://ecology.wa.gov/Water-Shorelines/Water-supply/Improving-streamflows/Watershed-planning.

What are the specific benefits of this project?
In general, the Hirst decision limited many landowners the ability to get a building permit for a new home when the proposed source of water was a permit-exempt well. Before Chapter 90.94 RCW, some rural landowners were unable to obtain a building permit. This request will continue to help provide a path forward to meet economic and community needs for reliable water supplies and protect and enhance river flows for fish, wildlife, and recreational uses. Ecology will continue to implement the directives under Chapter 90.94 RCW, which:

- Focuses resources on 15 watersheds that were impacted by the Hirst decision and establishes standards for rural, residential, permit-exempt wells in the rest of the state.

- Allows counties to rely on Ecology's instream flow rules in preparing comprehensive plans and development regulations and for water availability determinations.

Project Number: 40000725
Project Title: 2025-27 Streamflow Restoration Program

Description

- Allows rural residents to have access to water from permit-exempt wells to build a home. Based on the existing 10 adopted plans, a projected 15,695 additional homes per year over 20 years will be built in rural areas of 10 of the 15 watersheds impacted by the Hirst decision. Ecology anticipates the data for the other five watersheds will be available in late 2024, after review and adoption of the recommendations provided by the SRFB per RCW 90.94.030(3)(h).

- Defines interim standards that will apply until local committees develop plans to be adopted into rule. This allows a maximum of 950 or 3,000 gallons per day for domestic water use, depending on the watershed.

- Retains the current maximum of 5,000 gallons per day limit for permit-exempt domestic water use in watersheds that do not have existing instream flow rules.

- Invests $300 million over 15 years in projects that will help fish and streamflows.

This request will also provide economic benefits to the state by creating up to 142 jobs during the next four years, based on Office of Financial Management estimates.

What are the effects of non-funding?
Chapter 90.94 RCW helped resolve the conflict among rural water users and instream flow proponents statewide. This law established the process for achieving instream flows and providing water to offset rural, domestic water use. If funds are not appropriated for the 2025-27 biennium, new water projects designed to offset the water use from new rural development using permit-exempt wells would likely not be developed. Feasibility studies, other contract work currently in process, and new water supply projects would not be completed or started. In addition, valuable progress made in the last six years to build a working consensus between historically disparate stakeholder groups would likely be lost.

Why is this the best option or alternative?
This request is for capital funding appropriation for the work envisioned in Chapter 90.94 RCW. Ecology did not consider alternatives because this process is established and directed in the law.

How will clients be affected and services change if this project is funded?
This request will continue to allow streamflow restoration projects to be implemented, which will begin the development of new water supplies to improve instream flow conditions statewide. These projects are needed to meet economic and community development needs for people and streamflow needs for fish. It is difficult to secure new water for rural, domestic development, as illustrated by the lawsuit that led to establishing this program. Without these projects to offset domestic water use and improve instream flows, it is likely additional litigation will occur.

Focus on Equity:
Target Populations and Communities
This grant program is open to communities statewide, and funding will be driven by applications received. Funding targets mostly rural areas without access to sufficient public water supplies, and all Washingtonians will share the environmental benefits. All of the 15 watersheds and areas where projects receive priority for funding include overburdened communities or vulnerable populations, as defined in the Overburdened Communities Map of Washington State provided by OFM (Watersheds: Nooksack, Snohomish, Cedar-Sammamish, Duwamish-Green, Puyallup-White, Nisqually, Chambers-Clover, Deschutes, Kennedy-Goldsborough, Kitsap, Lower Chehalis, Upper Chehalis, Okanogan, Little Spokane, Colville).

Description

Protecting fisheries supports Tribal customs and values and provides a large share of the diets for Tribal members. Tribal entities are also eligible grant recipients.

Community Outreach and Engagement
City representatives for some overburdened communities and Tribes were members of the Watershed Restoration and Enhancement Committees in each watershed that were central in the local planning processes for watershed plan development. These plans were either adopted by Ecology or are anticipated to be adopted in 2024. Proposed projects identified in adopted plans receive additional points in the Streamflow Restoration Funding Rule (WAC 173-566-150) and the current guidance. https://apps.ecology.wa.gov/publications/SummaryPages/2311015.html

Disproportional Impact Considerations
Streamflow Restoration grants and activities are intended to improve streamflows statewide for fish and wildlife. This work develops additional water supply to provide economic benefit to rural, Tribal, and agricultural communities that are most impacted and vulnerable to economic and health risk from interruptions to water supply and that historically have not had access to water rights. The distribution of these benefits is currently dependent on applicants, with priority given to the 15 watersheds and areas specified in the Streamflow Restoration law (Chapter 90.94 RCW). Current grant criteria give additional points to applications that illustrate preventing harms to overburdened communities or vulnerable populations, including applicants who provide strong evidence of identifying “one or more local causes of aquatic resource degradation that the proposal is designed to address and will have a meaningful effect on those problems without causing adverse impacts on the source or recipient watershed.

Streamflow Restoration grants and activities are intended to improve streamflows statewide for fish and wildlife. These projects support Tribal treaty rights on usual and accustomed land related to fish.

HEAL Act Agencies Supplemental Questions
See attached.

What is the agency’s proposed funding strategy for the project?
The 2018 Legislature authorized $300 million in bonds to expand available statewide water supplies. This funding will be used to implement projects that, among other purposes, offset permit-exempt well water usage and improve instream flows for fish. Ecology will use the new appropriation to provide additional competitive grant funding in the 2025-27 biennium and beyond. Bond proceeds will be deposited into the Watershed Restoration and Enhancement Bond Account and/or the Watershed Restoration and Enhancement Taxable Bond Account. This taxable bond account was created to comply with federal Internal Revenue Service rules and regulations to fund non-governmental-related projects.

Funding for this request includes $20,000 to maintain and update the grant or loan applications in the agency systems.

Are FTEs required to support this project?
FTEs supporting this work are funded in Ecology’s operating budget.

How does the project support the agency and statewide results?
This request is essential to achieving the following Ecology goals: Goal 1: Support and engage our communities, customers, and employees because it will provide the resources needed to support local level infrastructure projects that promote

Description

efficient water use and improve instream flows for economic, recreational, and environmental benefit.

- Goal 2: Reduce and prepare for climate impacts because it will develop additional water supply for rural domestic use.

- Goal 3: Protect and manage our state's water because it will help meet economic and community needs for reliable water supplies in the water short basins and protect and enhance river flows for fish.

This request is essential to achieving Governor's Results Washington: Goal 2: Prosperous Economy and Goal 3: Sustainable Energy and Clean Environment because it will:

- Increase the amount of water instream so that fish and wildlife species have enough water to live and reproduce so they can maintain healthy populations supported by higher water levels.

- Improve fish habitats so the food chain is maintained and fish can find food to eat; shade from trees and plants is improved so temperatures do not get too high; and spawning grounds are available with the right size of gravel, etc.

- Help ensure economic and community needs for reliable water supplies in the water short basins are met.

This request is directly related to implementing the Governor's Salmon Strategy:

- Strategy Priority: 4. Build climate resiliency

- Action: 4a. Streamflow restoration

Puget Sound recovery
This request supports the 2022-2026 Puget Sound Action Agenda implementation through Ongoing Program OGP_ECY51 Water Resources, Streamflow Restoration program, the Streams and Floodplains Vital Sign, and through the following Strategies, Desired Outcomes, and Actions:

Strategies
7. Freshwater Availability: Understand and plan for future freshwater availability and implement regulations, projects, and voluntary approaches to reduce water demand and encourage conservation, as well as reclaim wastewater.

Desired Outcomes and Actions
1.5.1. Surface water diversions and groundwater withdrawals reduced or mitigated to meet instream flow targets.

1.5.2. Infiltration and water holding capacity of upland areas (developed lands, agricultural lands, working forests, and natural lands) increased.

Action 28. Implement watershed plans that offset impacts from new domestic permit-exempt wells and achieve a net ecological benefit within the watershed.

How will the other state programs or units of government be affected if this project is funded?
Local governments will implement the fee collection process related to issuing building permits that rely on use of a permit-exempt well and will be responsible for collecting, tracking, and remitting applicable fees to Ecology on an annual basis. The Kittitas and Dungeness Watersheds will implement a pilot metering program that is funded through Ecology. The Washington State Office of the Attorney General and the Washington Department of Fish and Wildlife each have

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Report Number: CBS002
Date Run: 9/3/2024 6:05PM

Project Number: 40000725
Project Title: 2025-27 Streamflow Restoration Program

Description

responsibilities under Chapter 90.94 RCW. Funding was provided to both agencies to implement their respective obligations under the law.

What is the impact on the state operating budget?
Since the passage of Chapter 90.94 RCW, base carry-forward level funding to implement the Streamflow Restoration Program has been, and continues to be, included in Ecology's operating budget.

Location
City: Statewide **County:** Statewide **Legislative District:** 098

Project Type
Grants

Grant Recipient Organization: Local Entities
RCW that establishes grant: Chapter 90.94 RCW
Application process used
Competitive grants to local entities for projects developed in conformance with Chapter 90.94 RCW. Ecology's published guidance outlines our consistent and transparent process for awarding these grants. 2023-25 funding cycle guidance provide here as example: Streamflow Restoration Competitive Grants, 2022: Guidance for project applicants (wa.gov). Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts
N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
366-1	Wtrshd Rst Enhnc Bnd-State	200,000,000				40,000,000
	Total	**200,000,000**	**0**	**0**	**0**	**40,000,000**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
366-1	Wtrshd Rst Enhnc Bnd-State	40,000,000	40,000,000	40,000,000	40,000,000
	Total	**40,000,000**	**40,000,000**	**40,000,000**	**40,000,000**

Operating Impacts

No Operating Impact

2025-27 Biennial Budget HEAL Act Template

Background

HEAL Act requirements

The Healthy Environment for All Act (HEAL Act), Chapter 314, Laws of 2021 (RCW 70A.02) requires that "covered and opt in agencies" must implement the requirements of the HEAL Act. This includes the:

- Department of Ecology
- Department of Agriculture
- Department of Commerce
- Department of Health
- Department of Natural Resources
- Department of Transportation
- Puget Sound Partnership
- Office of the Attorney General

HEAL Act agencies that are considering a significant agency action initiated after July 1, 2023, are required to conduct an environmental justice assessment. RCW 70A.02.010(12) specifies that significant agency actions include:

- The development and adoption of significant legislative rules as defined in RCW 34.05.328.
- The development and adoption of any new grant or loan program that the agency is explicitly authorized or required by statute to implement.
- A capital project, grant, or loan award costing at least $12,000,000.
- A transportation project, grant, or loan costing at least $15,000,000.
- The submission of agency request legislation to the Office of the Governor or OFM.

Under RCW 70A.02.080, beginning on or before July 1, 2023, covered and opt in agencies must, where practicable, take specific actions when making expenditure decisions or developing budget requests to OFM and the Legislature for programs that address or may cause environmental harms or provide environmental benefits. This includes:

- Focus applicable expenditures on creating environmental benefits that are experienced by overburdened communities and vulnerable populations, including reducing or eliminating environmental harms, creating community and population resilience, and improving the quality of life of overburdened communities and vulnerable populations.
- Create opportunities for overburdened communities and vulnerable populations to meaningfully participate in agency expenditure decisions.
- Clearly articulate environmental justice goals and performance metrics to communicate the basis for agency expenditures.
- Establish a goal of directing 40% of grants and expenditures that create environmental benefits to vulnerable populations overburdened communities.

To help OFM understand how HEAL Act agency budget requests meet HEAL Act requirements, covered agencies are required to complete additional questions related to the HEAL Act. These questions are shown below and are in addition to the equity related questions required of all agencies. Covered agencies are asked to complete the following questions and submit them through ABS.

HEAL Act questions

If you answer YES to any of these bullet points, please answer the six additional questions and submit them as an attachment through ABS.

- Is this decision package part of an agency request legislation that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding to support another significant agency action that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding for a program/project/activity that may **provide environmental benefits or reduce, mitigate, or eliminate environmental harms**, (that is not a significant agency action)? Note: This may include decision packages for programs not purposely directed to provide environmental benefits but may have an indirect or unintentional impact.

  ☒ Yes

  ☐ No

If you answer YES to any of the above bullet points, please complete these additional questions.

1. Please describe specific likely or probable environmental harms and/or benefits related to your decision package and the associated health impacts to overburdened communities and vulnerable populations.

   Streamflow Restoration grants and activities are to improve instream flows statewide for fish and wildlife. This work develops additional water supply to provide economic benefit to rural, Tribal, and agricultural communities that are most impacted and vulnerable to economic and health risk from interruptions to water supply and that historically have not had access to water rights. The distribution of these benefits is currently dependent on applicants, with priority is given to the 15 watersheds and areas specified in Streamflow Restoration law (Chapter 90.94 RCW). Current grant criteria give additional points to applications that illustrate preventing harms on

overburdened communities or vulnerable populations, such as if the applicant provides strong evidence of identifying "one or more local causes of aquatic resource degradation that the proposal is designed to address and would have a meaningful effect on those problems without causing adverse impacts on the source or recipient watershed" (Streamflow Restoration Competitive Grants, 2022: Guidance).

2. Please describe the estimated percentage and amount of the requested funds that will go towards creating environmental benefits in overburdened communities and vulnerable populations as defined in OFM's the OBC map or as determined by the agency. If applicable, please include your methodology for making this estimate, including project/award lists if available.

   The estimated percentage and amount of the requested funds that will go towards creating environmental benefits in overburdened communities and vulnerable populations will be defined by the applications received in the next Streamflow Restoration grant round. Regarding priority areas, all of the 15 watersheds and areas where projects receive priority for funding contain overburdened communities or vulnerable populations, as defined in OFM's map (Watersheds: Nooksack, Snohomish, Cedar-Sammamish, Duwamish-Green, Puyallup-White, Nisqually, Chambers-Clover, Deschutes, Kennedy-Goldsborough, Kitsap, Lower Chehalis, Okanogan, Little Spokane, Colville). Methodology: Watershed map compared to OFM map.

3. Please describe any potential significant impacts to Indian Tribes' rights and interest in their tribal lands, as well as traditional practices.

   Streamflow Restoration grants and activities are to improve instream flows statewide for fish and wildlife. These projects support Tribal treaty rights on usual and accustomed land related to fish.

4. Describe how your agency engaged with Tribes in developing this proposal, including offers for tribal consultation including timelines, methods for feedback, and mechanisms for Tribes to express concern, opposition, or support., and any direction provided by Tribes through this engagement.

   Tribes were members of the Watershed Restoration and Enhancement Committees in each watershed that were central in the local planning processes for Watershed Plans development. These plans were either adopted by Ecology or are anticipated to be adopted in 2024. Proposed projects identified in adopted plans receive additional points in the Streamflow Restoration Funding Rule (WAC 173-566-150) and the current Guidence.

5. If the decision package is part of agency request legislation or supports another significant agency action that is required to complete an environmental justice assessment under RCW 70A.02.010(12), please submit the assessment as an attachment in ABS.

   NA – This decision package is not part of agency request legislation and the actions in this request do not constitute a significant agency action under RCW 70A.02.010(12).

6. If the decision package is part of agency request legislation or constitutes a significant agency action that is required to complete an environmental justice assessment, please describe how your agency used the environmental justice assessment process to eliminate, reduce, or mitigate

environmental harms and equitably distribute environmental benefits. If your agency determined that you were unable to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits, please provide a justification for not doing so.

NA – This decision package is not part of agency request legislation and the actions in this request do not constitute a significant agency action under RCW 70A.02.010(12).

OFM

461 - Department of Ecology
Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/9/2024 10:07AM

Project Number: 40000626
Project Title: 2025-27 State Match – Water Pollution Control Revolving Program

Description

Starting Fiscal Year: 2026
Project Class: Grant - Pass Through
Agency Priority: 18

Project Summary

Congress established the Clean Water State Revolving Fund (CWSRF) under Title VI of the federal Clean Water Act to capitalize state-run, low-interest loan programs to finance water quality facilities and activities. The Washington State Water Pollution Control Revolving Account (WPCRA), established under Chapter 90.50A RCW, implemented the loan program to provide low-interest loans to local governments, special purpose districts, and federally recognized Tribes for high-priority water quality projects statewide. Ecology is requesting $41 million from the State Taxable Building Construction Account (STBCA) for the funds needed for the state match to the $205 million anticipated federal capitalization ($23.8 million) grant and Bipartisan Infrastructure Law (BIL) stimulus ($17.2 million). Related to Puget Sound Action Agenda implementation. (State Taxable Building Construction Account)

Project Description

What is the proposed project?

Each year, Ecology accepts loan applications from cities, counties, special purpose districts (e.g., sewer districts), Tribes, and conservation districts seeking financial help to improve and protect water quality in their communities.

On November 15, 2021, the Infrastructure Investment and Jobs Act was signed into law, officially enacting the Bipartisan Infrastructure Law (BIL), which includes new CWSRF funding through the Environmental Protection Agency (EPA) to states. This includes BIL stimulus funds, emerging contaminants funds, and reauthorization of the annual base capitalization grant. BIL and emerging contaminants funding will continue through the 2025-27 biennium.

Ecology uses these funds to finance planning, designing, acquiring, constructing, and improving water pollution control facilities and for related nonpoint source activities that help meet state and federal water pollution control requirements.

Ecology makes loans available through a statewide competitive rating and ranking process. Since its creation in 1989, the CWSRF program has loaned more than $3.36 billion to public entities. The CWSRF is by far the largest source of low-interest loan funds Washington State government has dedicated to environmental protection. The work accomplished through CWSRF loans is an integral and essential part of the state's strategy to reduce pollution of our marine waters, estuaries, lakes, rivers, and groundwater. This request includes $41 million from STBCA for state match for new federal capitalization grants appropriated in the BIL appropriation for:

- Base federal capitalization funding – must be matched with 20% state funds.

- BIL stimulus funding – must be matched with 20% state funds.

Note: This request is related to Ecology’s 2025-27 Capital Request for $614 million in Water Pollution Control Revolving Account (WPCRA) appropriation to continue essential work through this loan program.

What opportunity or problem is driving this request?

A number of ongoing and emerging issues drive Washington’s water quality funding needs. Ecology works with local governments, special purpose districts, Tribes, state and federal agencies, and other stakeholders to ensure financial assistance programs are meeting water quality needs by providing affordable loan financing to address:

- Aging and new wastewater treatment infrastructure.

Project Number: 40000626
Project Title: 2025-27 State Match – Water Pollution Control Revolving Program

Description

- Water quality cleanup plans required under the federal Clean Water Act.

- Advanced wastewater treatment to meet designated uses of the receiving water.

- Wastewater reclamation and reuse to address sustainability and resilience.

- Stormwater planning.

- Nonpoint pollution from surface water runoff from agricultural land, urban areas, and forested land.

- Failing onsite sewage systems.

- Water quality needs of financially distressed communities.

Continued funding of the state match for the federal capitalization grant and BIL stimulus funding is critical for helping Washington's local governments, special purpose districts, and federally recognized Tribes update and improve water quality infrastructure and implement associated water quality projects focused on protecting and improving water quality and public health.

CWSRF statutory requirements, administrative rule uses and limitations, and Ecology policy provide the framework for the funding guidelines, including:

- RCW 70A.45.070, Distribution of funds for infrastructure and capital development projects—Prerequisites. (Please see attached applicant requirements for greenhouse gas emissions reduction.)

- Chapter 70A.135 RCW, Water Pollution Control Facilities Financing.

- Chapter 90.46 RCW, Reclaimed Water Use

- Chapter 90.50A RCW, Water Pollution Control Facilities – Federal Capitalization Grant

- Chapter 173-98 WAC, Uses and Limitations of the Water Pollution Control Revolving Fund.

- Chapter 173-240 WAC, Submission of Plans and Reports for Construction of Wastewater Facilities

- Administrative Requirements for Recipients of Ecology Grants and Loans (Ecology publication)

What are the specific benefits of this project?
The CWSRF loan program provides low-interest loans to local governments, special purpose districts, and federally recognized Tribes for wastewater treatment, nonpoint source pollution control, and watershed and estuary management projects that achieve specific environmental and public health benefits, including:

- Eliminating severe public health hazards and environmental degradation.

- Achieving regulatory compliance with permit requirements, consent decrees, compliance orders, and Total Maximum Daily Load (TMDL) or waste-load allocations.

Project Number: 40000626
Project Title: 2025-27 State Match – Water Pollution Control Revolving Program

Description

- Restoring and protecting designated uses of Washington's waters, such as drinking water, aquatic habitat, shellfish harvesting, and recreation.

The economic value water quality infrastructure projects provide to the community and economy includes short-term benefits by supporting construction jobs and long-term benefits by funding sustainable clean water infrastructure that also supports growth and economic development. CWSRF low-interest loans and loan subsidies can save communities millions in interest payments compared to local government bond issuance. CWSRF funds are often the only option for small, financially disadvantaged communities to implement their clean water project needs.

This request will also provide economic benefits to the state by creating up to 95 jobs during the next four years based on Office of Financial Management estimates.

What are the effects of non-funding?
If this request is not funded, federal capitalization and BIL stimulus funding of up to $214 million would be lost. Local governments, special purpose districts, and federally recognized Tribes throughout the state would not receive low-interest loans to finance local or regional water quality infrastructure projects in their communities. The CWSRF is often the only affordable funding option available to small communities to address failing water quality infrastructure. The jobs, water quality, and public health improvements associated with $614 million in infrastructure and nonpoint source funding would not materialize.

Why is this the best option or alternative?
This request is for continuing state match support of base federal capitalization and BIL stimulus funding for the CWSRF loan program to help local governments with high-priority water quality projects throughout Washington. Ecology's well established, accountable, and transparent water quality funding program is the best and most effective option available to distribute money for priority water pollution control projects on a statewide, competitive basis. The program considers legal mandates, local efforts, rate payer impacts, and evolving water quality priorities.

How will clients be affected and services change if this project is funded?
This request will allow public entities to proceed with planning, designing, acquiring, constructing, and improving water pollution control facilities and related nonpoint activities that help achieve state and federal water pollution control requirements. These improvements contribute significantly to protecting public health, restoring water quality statewide and in Puget Sound, creating jobs, and improving economic health.

Focus on Equity
Target Populations and Communities:
(a) The CWSRF benefits people statewide. Eligible fund recipients include county and city governments, federally recognized Tribes, some institutions of higher education, quasi-municipal corporations, and a variety of special purpose districts. These entities use the funds to create environmental benefits for people in their area and in downstream communities.

(b) The overburdened communities this program is intended to benefit include income-constrained communities that would not otherwise have the resources to fund these projects. Small, rural populations often bear the brunt of pollution from activities such as waste disposal or agricultural production. The EPA Environmental Justice (EJ) Screening Tool and

Project Number: 40000626
Project Title: 2025-27 State Match – Water Pollution Control Revolving Program

Description

Washington Heath Disparities Map show that some of Washington's most rural counties are at the highest risk from untreated wastewater. These rural counties have high percentages of non-English speaking residents, and median household income is far below the state average. In addition, the low resident density means that each household must pay a larger share of community wastewater treatment facility costs.

Community Outreach and Engagement:
(a) Ecology's CWSRF program prioritizes and funds ongoing engagement with the overburdened communities described in (b) above.

1. Ecology's Financial Assistance Council, which advises and guides water quality grants and loans, includes representatives from small communities and Tribes and hosts technical assistance workshops.

2. CWSRF sponsors the Department of Commerce Small Community Initiative (SCI). SCI connects small, income- and expertise-constrained communities to funding and technical assistance and directs their feedback to CWSRF.

3. The CWSRF financial assistance team offers tailored support, filling grant management and engineering gaps, and fostering ongoing relationships with local community staff and Tribes. This assistance contributes to more competitive applications from overburdened communities and empowers them to make informed decisions about all aspects of their projects. For CWSRF staff, this engagement aids program design improvements.

(b) Ecology offers Tribes the same community outreach and engagement strategies described in (a) above. Ecology also requires each project complete a cultural resources review and prioritizes funding for projects that integrate Tribal engagement in all aspects of their project.

Disproportional Impact Considerations:
a) EPA's data shows that, in Washington State, areas with more low-income, linguistically isolated, or racially diverse residents also have aging infrastructure. This means these communities might face health risks from exposure to harmful chemicals in runoff and may bear a heavier burden of the costs and inconvenience of fixing utility problems.

b) By improving water quality and restoring natural stream hydrology, this request supports salmon recovery and the fulfillment of Tribal treaty rights. However, the construction of clean water facilities could impact Tribal cultural resources. To mitigate these potential impacts, CWSRF prioritizes funding for projects that include Tribal engagement and directly coordinates cultural resources Tribal consultation on funded projects.

HEAL Act Agencies Supplemental Questions:
See attached.

What is the agency's proposed funding strategy for the project?
The Water Pollution Control Revolving Account (WPCRA) and its dedicated revenue sources support the CWSRF loan program. Dedicated revenue sources include:

- Yearly capitalization, BIL stimulus, and emerging contaminants grants from EPA, authorized by Congress in the federal budget process.

- State match – required under the federal Clean Water Act of 1987 and the BIL passed in 2021, transferred into the fund from the STBCA.

Project Number: 40000626
Project Title: 2025-27 State Match – Water Pollution Control Revolving Program

Description

- Principal and interest repayments by loan recipients.

- Interest earned on the fund balance by investments from the Washington State Treasurer.

The CWSRF loan program provides low-interest loans for high-priority water quality projects. To continue funding projects, Ecology ensures long-term health of the fund by managing the fund in perpetuity. Ecology bases interest rates on a percentage of the annual bond buyers' index, allowing sufficient capital to loan out for future water quality projects.

Ecology holds an annual competitive funding cycle with two cycles each state biennium. In the first funding cycle of each new biennium, Ecology awards funding to all eligible projects that are ready to proceed, within rule limitations, and the remaining funds are used for the second-year funding cycle.

Funding for this project includes $20,000 to maintain and update the applications in the agency’s grant and loan system.

Are FTEs required to support this project?
No capital FTEs are required for this request.

How does the project support the agency and statewide results?
This request is essential to achieving the following Ecology goals:

Goal 1: Support and Engage our Communities, Customers, and Employees because it will support economic security by providing grant subsidies to small low-income communities to protect public health and keep utility rates reasonable.

Goal 2: Reduce and Prepare for Climate Impacts because it will fund projects that help communities prepare for climate impacts and integrate climate resilience and long-term sustainability practices. For example, reclaimed water and water reuse facilities that help small communities become resilient to water shortages increase stream buffers and native vegetation to address stream flow dynamics, temperature impacts, carbon sequestration, and improve water quality.

Goal 4: Protect and Manage our State Waters because it will fund projects for water pollution control infrastructure and projects that reduce nonpoint pollution and nutrient discharges.

This request is essential to achieving the following Governor’s Results Washington Goals:
Goal 2: Prosperous Economy because it will provide opportunities for quality jobs when a new wastewater system is constructed or an existing system is repaired or upgraded. The Office of Financial Management estimates that 12 direct and indirect jobs in Washington are created for every $1 million spent on building clean water infrastructure. The program also helps communities build well-functioning and sustainable clean water infrastructure that supports local economies.

Goal 3: Sustainable Energy and a Clean Environment because it will provide loans for high-priority water quality projects statewide. CWSRF loan projects help local communities protect public health and the environment by reducing pollution of our lakes, rivers, streams, marine waters, estuaries, and groundwater.

Goal 4: Healthy and Safe Communities because it will fund projects that address the impacts of climate change and improve community resilience through support of long-term, multi-benefit solutions to problems caused by water pollution, including excess nutrients and increased temperature. It will also address needs in low-income communities through low- or no-interest loans in conjunction with forgivable principal to reduce residential rate impacts.

Project Number: **40000626**
Project Title: **2025-27 State Match – Water Pollution Control Revolving Program**

Description

Goal 5: Efficient, Effective, and Accountable Government because it will provide one application rating and ranking process to award funds from four separate funding sources, including CWSRF. This creates an efficient and streamlined approach for communities to apply for funding resources through an integrated water quality financial assistance program.

Puget Sound recovery:
This request supports several Orca Task Force Recommendations as well as supports the 2022-2026 Puget Sound Action Agenda implementation through Ongoing Program OGP_ECY38 Water Quality - Provide Financial Assistance, and through various Vital Signs, Strategies, Desired Outcomes, and Actions included in the Action Agenda. See attachment A for a complete list of linkages between this request and the agenda.

How will the other state programs or units of government be affected if this project is funded?
Ecology's Water Quality Program coordinates and collaborates with other Ecology programs through a variety of groups, including the Ecology Grants Group (EGG), Ecology Cultural Resources Environmental Workgroup (ECREW), and on a project-by-project basis where there are cross-program project elements. The Water Quality Program is highly engaged in cross-agency coordination and collaboration through its commitment to the Infrastructure Assistance Coordinating Council (IACC), Maximizing Resources workgroup, Small Communities Initiative (SCI), and the Sync Infrastructure Improvement Team (Ecology, Health, Commerce, Transportation, Transportation Improvement Board, and Public Works Board).

Many local governments, special purpose districts, and recognized Tribes propose important water quality projects that cannot be fully funded with one funding source. This is especially true for small, financially distressed communities. Ecology works with recipients and other state and federal agencies to coordinate funding and technical assistance for water quality infrastructure projects. Together, the agencies collaborate and leverage their funds to meet the financial situation of the community. Many small communities with large-scale projects use multiple funding sources, including the CWSRF, Centennial Clean Water Program, Public Works Assistance Account, Department of Commerce, USDA Rural Development, and the State Tribal Assistance Grant Program. The lack of Public Works Assistance Account funding over the past few years has increased the demand for and importance of CWSRF loan funding for local governments.

Ecology is engaged as a partner with the Public Works Board, Department of Commerce, and Department of Health in an ongoing effort to improve and better collaborate and coordinate state financial assistance for water infrastructure in Washington. This effort, called the Sync System Improvement Team, is focused on identifying and implementing strategies and best practices for improving access to funding programs and improved value, outcomes, cost effectiveness, and sustainability of water infrastructure projects. This work, along with ongoing CWSRF funding, supports improved statewide financial assistance and water quality project outcomes and allows us to better serve small, financially challenged communities that receive CWSRF loan and Centennial grant assistance.

Location
City: Statewide **County:** Statewide **Legislative District:** 098

Project Type
Grants

461 - Department of Ecology
Capital Project Request

2025-27 Biennium

*

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/9/2024 10:07AM

Project Number: 40000626
Project Title: 2025-27 State Match – Water Pollution Control Revolving Program

Description

Grant Recipient Organization: Public entities, local gov'ts, special purpose distr., quasi municipals, federally recognized Tribes.

RCW that establishes grant: Chapter 90.50A RCW

Application process used

Ecology manages an integrated annual funding approach using a joint application, evaluation, and rating and ranking process for the CWSRF, Centennial Clean Water Program, Stormwater Financial Assistance Program, and the Clean Water Act Section 319 federal grant program. The application period begins in August with applications due mid-October. Ecology staff screen, review, and rate and rank the applications from November through December. In early November, the funding application list is available for each fiscal year funding cycle and is provided to the Governor's office and key Legislators. The evaluation and points are assigned according to an objective rating system that identifies the highest priority water quality needs statewide. In January, Ecology produces a combined draft project list for the Legislature to use during budget considerations. The list becomes final on July 1 or sooner, contingent on capital budget appropriations. Funding for this project includes $20,000 to maintain and update the applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
355-1	St. Bld Const Acct-State	81,000,000				41,000,000
	Total	**81,000,000**	**0**	**0**	**0**	**41,000,000**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
355-1	St. Bld Const Acct-State	10,000,000	10,000,000	10,000,000	10,000,000
	Total	**10,000,000**	**10,000,000**	**10,000,000**	**10,000,000**

Operating Impacts

No Operating Impact

Attachment A

Linkages to the Puget Sound Action Agenda

This attachment provides additional supporting details for the following capital project request (CPR) as it relates to the Puget Sound 2022-2026 Action Agenda implementation.

CPR Title: 2025-27 State Match - Water Pollution Control Revolving Program

Vital Signs

- Freshwater
- Marine Water
- Streams and Floodplains
- Toxics in Aquatic Life
- Beaches and Marine Vegetation
- Estuaries
- Forests and Wetlands
- Groundfish and Benthic Invertebrates
- Orcas
- Salmon
- Zooplankton
- Drinking Water
- Shellfish Beds
- Cultural Wellbeing
- Economic Vitality
- Good Governance
- Sense of Place
- Sound Stewardship

Strategies

- 7. Freshwater Availability
- 8. Prevent Pollution
- 9. Source Identification and Correction
- 10. Stormwater Runoff and Legacy Contamination
- 11. Wastewater Systems
- 12. Working Lands Runoff
- 19. GHG Reductions and Carbon Sequestration
- 20. Climate Adaptation and Resilience
- 21. Sense of Place
- 22. Recreation and Stewardship
- 23. Transparent and Inclusive Governance
- 24. Cultural Practices
- 26. Human Health

Desired Outcomes

- 1.1. Protect habitat and habitat-forming processes from conversion and fragmentation.
- 1.2.1. Conversion of agricultural lands and working forests to more intensive land uses (residential and commercial development) prevented.
- 1.3.1. Levees, floodgates, tidegates, roads, existing development, and other barriers in floodplains and estuaries removed or their management altered.
- 1.3.2. Armor on estuaries, lakes, and marine shorelines removed or softened.
- 1.4.1. In-stream and riparian areas of rivers and streams restored.
- 1.4.2. Floodplains, tidal wetlands, and estuaries restored.
- 1.5.2. Infiltration and water holding capacity of upland areas (developed lands, agricultural lands and working forests, and natural lands) increased.

- 2.1.1. Toxic hotspots where stormwater runoff or wastewater contain significant concentrations of numerous toxic chemicals reduced through improved source control and/or treatment.
- 2.1.4. Toxics in infrastructure and building materials removed through source control and/or management/remediation.
- 2.2. Reduce nutrients entering Puget Sound and connected waters.
- 2.3.1. Municipal wastewater discharges of disease-causing (pathogenic) bacteria and viruses to Puget Sound meet water quality-based effluent limits.
- 2.3.2. On-site septic systems (OSS) are inventoried, inspected, maintained, and operational.
- 2.3.4. Disease-causing (pathogenic) bacteria and viruses in stormwater runoff from residential and commercial lands reduced.
- 2.3.5. Disease-causing (pathogenic) bacteria and viruses in runoff from agricultural lands reduced.
- 3.2.2. Number of adult and juvenile salmon lost to predation by pinnipeds and predatory fish reduced.
- 4.2.1. Human-caused greenhouse gas emissions in Washington State reduced 95% below 2005 levels by 2050.
- 4.2.2. Carbon sequestered in Puget Sound forests, kelp, soils, and other significant means increased.
- 4.3.1. Increase the resilience of the Puget Sound ecosystem and recovery efforts by adapting to changing climate and ocean conditions when conducting protection and restoration activities.
- 5.1.1. Opportunities for stress reduction and motivation from natural environments for diverse human communities are enhanced.
- 5.1.2. Attachments among all residents to Puget Sound's environments (including natural, biocultural, and anthropogenic places) are acknowledged and respected and recognized as opportunities to achieve the Action Agenda.
- 5.2. Engagement in and trust of Puget Sound environmental and natural resource governance is increased.
- 5.3.1. Opportunities for cultural practices, such as native and spiritual practices and environmentally related social activities, are increased.
- 5.4. Employment and production in natural resources sectors such as fisheries, aquaculture, agriculture, timber, ecosystem restoration, and tourism are made resilient.
- 5.5. Participation in outdoor recreational and stewardship activities is enhanced.
- 5.6.2. Levels and patterns of contaminants in drinking water do not threaten Puget Sound communities or vulnerable populations with adverse health outcomes.
- 5.6.3. Levels and patterns of contamination in fish and shellfish harvested from Puget Sound waters do not threaten the health of Puget Sound communities or vulnerable populations.
- 5.6.4. Levels and patterns of pollutants and biotoxins in surface waters do not threaten the health of Puget Sound communities or vulnerable populations.

Actions

- 3. Conduct watershed-scale planning and land use planning to protect and restore water quality.
- 5. Facilitate the increased use or performance of best management practices to reduce pollutants and the volume of runoff from agricultural lands and working forests.
- 6. Implement agricultural management practices proven to reduce nutrient loads.

- 7. Expand and improve incentives and education for agricultural land users to motivate voluntary actions for reducing fecal pollution.
- 9. Fund, develop, and implement effective local and tribal nations pollution identification and correction (PIC) programs.
- 10. Support watershed cleanup implementation and the development of cleanup plans such as Total Maximum Daily Loads (TMDLs) and other strategies to limit fecal pollution.
- 11. Establish and implement science-based riparian protection, restoration, and management policies that result in a minimum ‘1 Site Potential Tree Height’ forested riparian area standard.
- 12. Increase the number and accelerate implementation of habitat acquisition and restoration projects as prioritized in salmon and watershed recovery plans.
- 20. Prioritize, design, and implement reach-scale restoration and protection projects within a river basin or watershed.
- 24. Implement habitat protection and restoration projects that restore or maintain natural nutrient attenuation functions and sediment processes in watersheds, estuaries, and tidal wetlands.
- 31. Encourage retrofits and restoration through education and incentives.
- 32. Increase local stormwater management capacity (including funding, staffing resources, and management tools and information).
- 35. Develop and implement education and outreach and behavior change campaigns and fund projects to reduce nutrient impacts from residential, stormwater, and agricultural runoff.
- 40. Effectively manage and control fecal pollution and disease-causing bacteria and viruses from small onsite sewage systems (OSS) and larger onsite sewage systems (LOSS).
- 86. Increase number, accessibility, and protections for multi-use and multi-cultural natural spaces (for example, fish and shellfish harvesting, camping, boating, and gardening, etc.). including green spaces and waterways.
- 98. Promote multi-benefit solutions in restoration and protection project development to include considerations for job creation.
- 137. Implement multi-benefit projects and programs that synergistically advance Puget Sound recovery goals and reduce greenhouse gas emissions, increase greenhouse gas sequestration in Puget Sound ecosystems, increase climate adaptation, and promote climate resilience.
- 151. Re-green urban spaces.
- 154. Prevent and reduce combined sewer overflows.
- 155. Extend centralized sewer systems in areas where conditions are not suitable for onsite sewage systems (OSS).
- 156. Fund, develop, and implement programs to address fecal pollution from people experiencing homelessness or with inadequate access to sanitary services.
- 161. Ecosystem recovery processes and decision-making are inclusive of a broader set of committed stakeholders and diverse forms of knowledge.
- 162. Increase capacity for overburdened and historically marginalized communities to engage in environmental decision-making.
- 196. Facilitate the increased use or performance of best management practices, including increasing riparian restoration to reduce stream temperatures.
- 197. Honor tribal nations’ treaty rights, obligations, and inherent sovereign interests when considering implementation of Puget Sound recovery projects and programs. and actively engage with tribal nations to align and incorporate shared goals.
- 200. Limit people’s exposures to harmful water pollution.

- 201. Provide incentives, financial and technical support to local jurisdictions that have prioritized riparian restoration.
- 211. Promote appropriate reclaimed water projects to reduce pollutant loading to Puget Sound.

Ongoing Program - OGP_ECY38 Water Quality - Provide Financial Assistance

Orca Task Force Recommendations

- 1. Significantly increase investment in restoration and acquisition of habitat in areas where Chinook stocks most benefit Southern Resident orcas.
- 2. Immediately fund acquisition and restoration of nearshore habitat to increase the abundance of forage fish for salmon sustenance.
- 31. Reduce stormwater threats and accelerate clean-up toxics harmful to orcas.
- 34. Provide sustainable funding for implementation of all recommendations.
- 41. Collect high-quality nutrient data in watersheds to fill key knowledge gaps of baseline conditions.

2025-27 Biennial Budget HEAL Act Template

Background

HEAL Act requirements

The Healthy Environment for All Act (HEAL Act), Chapter 314, Laws of 2021 (RCW 70A.02) requires that "covered and opt in agencies" must implement the requirements of the HEAL Act. This includes the:

- Department of Ecology
- Department of Agriculture
- Department of Commerce
- Department of Health
- Department of Natural Resources
- Department of Transportation
- Puget Sound Partnership
- Office of the Attorney General

HEAL Act agencies that are considering a significant agency action initiated after July 1, 2023, are required to conduct an environmental justice assessment. RCW 70A.02.010(12) specifies that significant agency actions include:

- The development and adoption of significant legislative rules as defined in RCW 34.05.328.
- The development and adoption of any new grant or loan program that the agency is explicitly authorized or required by statute to implement.
- A capital project, grant, or loan award costing at least $12,000,000.
- A transportation project, grant, or loan costing at least $15,000,000.
- The submission of agency request legislation to the Office of the Governor or OFM.

Under RCW 70A.02.080, beginning on or before July 1, 2023, covered and opt in agencies must, where practicable, take specific actions when making expenditure decisions or developing budget requests to OFM and the Legislature for programs that address or may cause environmental harms or provide environmental benefits. This includes:

- Focus applicable expenditures on creating environmental benefits that are experienced by overburdened communities and vulnerable populations, including reducing or eliminating environmental harms, creating community and population resilience, and improving the quality of life of overburdened communities and vulnerable populations.
- Create opportunities for overburdened communities and vulnerable populations to meaningfully participate in agency expenditure decisions.
- Clearly articulate environmental justice goals and performance metrics to communicate the basis for agency expenditures.
- Establish a goal of directing 40% of grants and expenditures that create environmental benefits to vulnerable populations overburdened communities.

To help OFM understand how HEAL Act agency budget requests meet HEAL Act requirements, covered agencies are required to complete additional questions related to the HEAL Act. These questions are shown below and are in addition to the equity related questions required of all agencies. Covered agencies are asked to complete the following questions and submit them through ABS.

HEAL Act questions

If you answer YES to any of these bullet points, please answer the six additional questions and submit them as an attachment through ABS.

- Is this decision package part of an agency request legislation that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding to support another significant agency action that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding for a program/project/activity that may **provide environmental benefits or reduce, mitigate, or eliminate environmental harms**, (that is not a significant agency action)? Note: This may include decision packages for programs not purposely directed to provide environmental benefits but may have an indirect or unintentional impact.

  ☒ Yes

  ☐ No

If you answer YES to any of the above bullet points, please complete these additional questions.

1. Please describe specific likely or probable environmental harms and/or benefits related to your decision package and the associated health impacts to overburdened communities and vulnerable populations.

   The Environmental Protection Agency's data shows that in Washington state, areas with more low-income, linguistically isolated, or racially diverse residents also have aging infrastructure. This means these communities might face health risks from exposure to harmful chemicals in runoff and may bear a heavier burden of the costs and inconvenience of fixing utility problems.

2. Please describe the estimated percentage and amount of the requested funds that will go towards creating environmental benefits in overburdened communities and vulnerable populations as defined in OFM's the OBC map or as determined by the agency. If applicable, please include your methodology for making this estimate, including project/award lists if available.

   Ecology estimates that $182 M (44%) of the requested funds will go towards creating environmental benefits for overburdened communities and vulnerable populations as defined in OFM's overburdened communities' map.

   Ecology compared the locations of projects previously funded by the CWSRF to the current OFM overburdened communities map and found that 58% of these projects (44% of total funds offered) were located directly within overburdened communities. Ecology expects this percentage to remain steady or increase as efforts to meet the needs of these communities expand in response to the HEAL Act.

   Furthermore, of the projects that are not likely to be constructed directly within an OFM defined area, Ecology estimates that between 70-80% will provide indirect benefits to vulnerable populations due to their proximity upstream of a waterbody that provides habitat for salmon or shellfish populations. This estimate was developed using historical data and the selection criteria outlined in the Water Quality Combined Funding Program Guidelines. The implemented projects will prevent the pollution generated upstream from impacting overburdened and vulnerable communities located downstream.

3. Please describe any potential significant impacts to Indian Tribes' rights and interest in their tribal lands, as well as traditional practices.

   By improving water quality and restoring natural stream hydrology, this request supports salmon recovery and the fulfillment of Tribal treaty rights. However, the construction of clean water facilities could impact Tribal cultural resources. To mitigate these potential impacts, CWSRF prioritizes funding for projects that include Tribal engagement and directly coordinates cultural resources Tribal consultation on funded projects.

4. Describe how your agency engaged with Tribes in developing this proposal, including offers for tribal consultation including timelines, methods for feedback, and mechanisms for Tribes to express concern, opposition, or support., and any direction provided by Tribes through this engagement.

   Ecology offers Tribes the same community outreach and engagement strategies as described in the Focus on Equity section under Community Outreach and Engagement (a). In addition, Ecology requires each project complete a cultural resources review and prioritizes funding from applicants that integrate Tribal engagement in all aspects of their project .

5. If the decision package is part of agency request legislation or supports another significant agency action that is required to complete an environmental justice assessment under RCW 70A.02.010(12), please submit the assessment as an attachment in ABS.

   No

6. If the decision package is part of agency request legislation or constitutes a significant agency action that is required to complete an environmental justice assessment, please describe how your agency used the environmental justice assessment process to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits. If your agency determined that you were unable to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits, please provide a justification for not doing so.

   N/A

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OFM

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Capital Project Request

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/1/2024 10:37AM

Project Number: **40000674**
Project Title: **2025-27 Sunnyside Valley Irrigation District Water Conservation**

Description

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 22

Project Summary

The United States Bureau of Reclamation manages conservation improvements required by the Sunnyside Division Water Rights Settlement Agreement in the Yakima Basin Water Rights Adjudication. (State of Washington, Department of Ecology vs. James J. Acquavella et al.) These are multi-year projects, and Ecology is requesting additional funding to cover the required state match of 17.5% of total project costs for the next several biennia. The Sunnyside Valley Irrigation District Phase 2 project cost is estimated at $80 million, and Ecology's cost share is $14 million over an 11-to-15-year construction period. This request includes $3.32 million for Phase IIE and Phase IIF to continue the construction schedule for the state's share of the Yakima River Basin Water Enhancement Project in the 2025-27 biennium. Related to implementing the Governor's Salmon Strategy. (State Building Construction Account)

Project Description

What is the proposed project?

The Yakima River below the Sunnyside Diversion Dam has suffered from chronic low stream flows from late summer to early fall. During the 1977 drought, the river below Sunnyside Dam was dry for a week because the entire flow of the river was diverted for irrigation upstream. That year, a federal court ruling required the United States Bureau of Reclamation (USBR) to release water from storage to keep water instream for salmon. Following this ruling, the USBR committed to provide water from storage to keep flows of at least 200 cubic feet per second (cfs) in the Yakima River below Sunnyside Dam.

Federal legislation passed in 1994 established minimum operational target flows of 300 to 600 cfs at Parker gauge, located downstream of Sunnyside Dam. The precise target flow in any particular year is determined by the forecasted runoff for that year. Provisions were also included to increase the target flows over time through water acquisition and investments in water conservation. The optimal flows for fish in the reach below Sunnyside Dam are about 1,200 cfs.

The goal of this project is to increase the target flows over time to benefit and restore fisheries.

The Sunnyside Division Board of Control (SDBOC) operates the Sunnyside Canal to irrigate 99,244 acres for the following entities:

- Sunnyside Valley Irrigation District (SVID) – 86,429 acres
- Grandview Irrigation District – 3,941 acres
- Benton Irrigation District – 4,630 acres
- City of Zillah – 106 acres
- City of Sunnyside – 578 acres
- City of Grandview – 271 acres
- City of Prosser – 425 acres
- Kennewick Ditch Company – 2,400 acres
- Piety Flat Ditch Company – 464 acres

The Sunnyside Canal diverts about 1,200 cfs with maximum instantaneous flow set at the canal capacity of 1,316 cfs at the Sunnyside Diversion Dam on the Yakima River near Parker. The return flow for the Parker diversion is near Benton City.

In May 2003, the Superior Court of Washington for Yakima County confirmed the surface water rights of the Sunnyside Division (a division of the federal Yakima Basin Irrigation Project). This was done under a settlement agreement reached by Sunnyside, Ecology, the USBR, and the Yakama Nation. The parties agreed to implement water conservation measures under the Yakima River Basin Water Enhancement Project (YRBWEP) to reduce diversions to the Sunnyside Division from the

Project Number: 40000674
Project Title: 2025-27 Sunnyside Valley Irrigation District Water Conservation

Description

Yakima River.

Reduced diversions of at 100 cfs per year are measured at milepost 0.60 on the Sunnyside Canal. Funded by previous budgets, the SVID Phase I target flow was set at 54 cfs and 46 cfs for SVID Phase II. Construction of Phase I was completed in 2013, and the full 54 cfs instream target flow was realized during April-October 2014. The SVID Phase II project, to be funded in this request, will complete the Phase II work for the 46 cfs. The Roza project will contribute an estimated additional 5,523 acre-feet of water above the initial SVID Phase I and II savings of 100 cfs per year.

In addition to Sunnyside, all other irrigation districts that receive irrigation water from the USBR Yakima reservoirs are eligible for YRBWEP funding, pending an approved feasibility study. As of the end of the 2023 calendar year, Roza and Kennewick Irrigation Districts have feasibility studies approved. Before a district can receive construction money, they must enter into a diversion reduction agreement to reduce the amount of USBR water that will be delivered to them.

Ecology requests funding for the 2025-27 biennium, based on the USBR construction schedule, and includes the requests for SVID Phase IIF funding. Cost-sharing requirements for eligible YRBWEP projects are 65% from the USBR, 17.5% from Washington State, and 17.5% from local participation.

The project construction budget for the 2025-27 biennium is $3.25 million. Staffing resources to provide project management and oversight of these projects and resources to maintain and update the grant or loan applications in the agency systems make up the balance. Total project implementation costs are $3.32 million for the 2025-27 biennium. Projects included in the 2025-27 biennium are noted below under Phase IIE and/or IIF.

Focus of 2023-25 and 2025-27 Budget Requests

Phase IIE & IIF

The Phase IIE five-year agreement was awarded in November 2021 (Federal Fiscal Year 2021). Estimated total funding for this agreement is $10 million. The agreement will expire on September 30, 2025. USBR also has indicated that $900,000 in addition to the $10 million is available for this phase from one-time federal funding appropriations. Additionally, USBR recommends a 10% contingency be built into all construction estimates to account for unforeseen change orders, design changes, etc.

Construction began in November 2021 and is expected to be completed by March 2025. The district was not able to complete all the construction work described in the grant agreement during the winter 2021-22 construction season due to impacts on the supply chain from the pandemic. The milestones and schedule have been adjusted accordingly, and a time extension has not been requested at this time.

This agreement will pipe 21.5 miles of open laterals serving 4,172 acres with an estimated 2,315 acre-feet of conserved water annually.

The federal fiscal year overlaps more than a single biennium of the state budget cycle.
The Phase IIF five-year agreement was awarded in September 2023 (Federal Fiscal Year 2023). Estimated total funding for this agreement is $15 million. The agreement will expire September 30, 2028. This agreement will pipe 18.2 miles of open laterals serving 3,015 acres with an estimated 1,670 acre-feet of conserved water annually.

Ecology is requesting funds to cover three federal fiscal years to finish Phase IIE and cover a large portion of the state's portion of Phase IIF.

Project Number: 40000674
Project Title: 2025-27 Sunnyside Valley Irrigation District Water Conservation

Description

Future phases and funding requests are expected to continue through 2042 to achieve necessary flow improvements.

What opportunity or problem is driving this request?
This request is required to meet the conservation and diversion reduction goals outlined in the settlement agreement of the Sunnyside Division water right and will improve stream flows in the Lower Yakima River.

What are the specific benefits of this project?
Meeting the Sunnyside Diversion reduction requirements will provide an additional 100 cfs per year for instream flows in the Lower Yakima River. This is a critical reach for salmon due to chronic low flows and high temperatures. Increasing instream flows is an essential part of the strategy to restore threatened fish species in the Yakima basin. These benefits will not require the Sunnyside Division to give up irrigation of any historically irrigated lands or total acreage.

This request will also provide economic benefits to the state by creating up to 10 jobs per year during the next four years, based on Office of Financial Management estimates.

What are the effects of non-funding?
If Ecology does not receive funding, we would not be able to fulfill our state obligation under the court settlement agreement to fund YRBWEP. This could place future funding (federal match) in jeopardy, which would delay achieving water conservation goals and attaining instream flow targets in the agreement. It is also likely YRBWEP partners would take Ecology back to court to uphold our portion of the settlement agreement.

Why is this the best option or alternative?
Other options will not meet the court settlement through the USBR. The Sunnyside Division and other eligible irrigation districts within the Yakima basin are eligible to receive state funding for irrigation system improvements.

How will clients be affected and services change if this project is funded?
Agricultural interests and local economies that depend on agriculture will benefit from improved instream flows and improved water use efficiency from this funding, along with the Yakama Nation and sport and commercial fishers.

Focus on Equity:
Target Populations and Communities
Funding targets on-farm agricultural infrastructure for the purpose of making irrigation more efficient and leaving more water instream. This benefits all water users in the basin as well as promotes the protection of fisheries and associated Tribal interests.

Community Outreach and Engagement
This request addresses the state obligation under the court settlement agreement to fund the Yakima River Basin Water Enhancement Project (YRBWEP) and implement water conservation measures. Ecology supports the United States Bureau of Reclamation (USBR) implementation of this project. Community outreach and Tribal consultation were not conducted as part of the settlement agreement.

Project Number: 40000674
Project Title: 2025-27 Sunnyside Valley Irrigation District Water Conservation

Description

Disproportional Impact Considerations
This request is not anticipated to result in disproportionate impacts on overburdened communities and vulnerable populations. The Sunnyside Valley Irrigation District (SVID) project is designed to improve water supply for instream uses for ecosystems and fish. The environmental and fishery benefits of improved water supply would support rural areas and underrepresented communities, including Tribal nations throughout the Columbia and Yakima basins.

HEAL Act Agencies Supplemental Questions
See attached.

What is the agency's proposed funding strategy for the project?
Ecology will enter into three-party agreements with the local irrigation districts and USBR for each share of the total project cost. The Ecology and local shares are 17.5% each, and the USBR share is 65%. USBR will manage the individual construction projects.

Are FTEs required to support this project?
This request requires a total of 0.23 FTE to continue implementing SVID and YRBWEP projects, contract management, oversight, and technical assistance. This is the same level of FTEs currently supporting this capital project in the 2023-25 biennium.

Please note that these FTEs support both this new appropriation and other related reappropriation projects under this capital program.

How does the project support the agency and statewide results?
This request is essential to achieving Ecology's Goal 1: Support and Engage our Communities, Customers, and Employees and Goal 4: Protect and Manage our State's Waters because it will add 100 cfs of water per year for instream flows in the Lower Yakima River that will restore threatened fish species in the Yakima basin.

This request is essential to achieving the Governor's Results, Washington Goal 3: Sustainable Energy and a Clean Environment because it will:

- Providing infrastructure within local communities to support improved water use efficiency and improve instream flows for local economic and environmental benefit.

- Encourage irrigation districts to voluntarily reduce the amount of water they divert from the Yakima River. This will help reach the YRBWEP goals and drought-proof local communities.

- Reduce water use on farms (but still allow farmers to grow crops) so that river flows for fish are protected and enhanced.

- Increasing the amount of water instream so that fish and wildlife species are more likely to maintain healthy populations from higher water levels (enough water to live and reproduce).

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Capital Project Request

2025-27 Biennium

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Project Title: 2025-27 Sunnyside Valley Irrigation District Water Conservation

Description

- Reducing water temperatures so that there is enough cool water to better disperse heat so that the overall habitat improves (food chain is maintained so they can find food to eat, shading from trees & plants is improved so that the temperatures do not get too high, spawning grounds are available with the right size of gravel, etc.).

- Implementing YRBWEP projects so that the local economy is maintained as water conservation measures and alternative supplies are made available to the agricultural community so that current agricultural practices can continue while also restoring instream flow.

This request is directly related to implementing the Governor's Salmon Strategy:

- Strategic Priority: 4. Build climate resiliency
- Action: 4b. Columbia River basin water supply

How will the other state programs or units of government be affected if this project is funded?
The Washington Department of Fish and Wildlife and the Yakama Nation joint effort to restore fish in the Yakima River Basin will benefit from the higher river flows that will occur because of this project. The Sunnyside Division and its component irrigation districts, including Roza, will benefit from a more certain water supply, system automation, and other improvements that will be made on division facilities.

Location
City: Statewide **County:** Statewide **Legislative District:** 098

Project Type
Grants

Grant Recipient Organization: Public Agriculture Water Supply Facilities and US Bureau of Reclamation
RCW that establishes grant: None
Application process used
N/A

Growth Management impacts
None

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	New Approps
057-1	State Bldg Constr-State	23,600,000				3,320,000
	Total	**23,600,000**	**0**	**0**	**0**	**3,320,000**

		Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State	5,070,000	5,070,000	5,070,000	5,070,000

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Project Number: 40000674
Project Title: 2025-27 Sunnyside Valley Irrigation District Water Conservation

Funding

Total	**5,070,000**	**5,070,000**	**5,070,000**	**5,070,000**

Operating Impacts

No Operating Impact

SubProjects

SubProject Number: 40000675
SubProject Title: Sunnyside Valley Irrigation District

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 22

Project Summary

The United States Bureau of Reclamation manages conservation improvements required by the Sunnyside Division Water Rights Settlement Agreement in the Yakima Basin Water Rights Adjudication. (State of Washington, Department of Ecology vs. James J. Acquavella et al.) These are multi-year projects, and Ecology is requesting additional funding to cover the required state match of 17.5% of total project costs for the next several biennia. The Sunnyside Valley Irrigation District Phase 2 project cost is estimated at $80 million, and Ecology's cost share is $14 million over an 11-to-15-year construction period. This request includes $3.32 million for Phase IIE and Phase IIF to continue the construction schedule for the state's share of the Yakima River Basin Water Enhancement Project in the 2025-27 biennium. Related to implementing the Governor's Salmon Strategy. (State Building Construction Account)

Project Description

Piping of lateral water distribution system to include phases IIE and IIF that will pipe 21.5 miles of open laterals serving 4,172 acres with an estimated 2,315 acre-feet of water conserved annually.

Location

City: Sunnyside **County:** Yakima **Legislative District:** 015

Project Type

Grants

Grant Recipient Organization: Public Agriculture Water Supply Facilities and US Bureau of Reclamation
RCW that establishes grant: None
Application process used

N/A

Growth Management impacts

None

Project Number: 40000674
Project Title: 2025-27 Sunnyside Valley Irrigation District Water Conservation

SubProjects

SubProject Number: 40000675
SubProject Title: Sunnyside Valley Irrigation District

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	3,250,000				3,250,000
	Total	**3,250,000**	**0**	**0**	**0**	**3,250,000**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000676
SubProject Title: Ecology Project Staff

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 22

Project Summary

The United States Bureau of Reclamation manages conservation improvements required by the Sunnyside Division Water Rights Settlement Agreement in the Yakima Basin Water Rights Adjudication. (State of Washington, Department of Ecology vs. James J. Acquavella et al.) These are multi-year projects, and Ecology is requesting additional funding to cover the required state match of 17.5% of total project costs for the next several biennia. The Sunnyside Valley Irrigation District Phase 2 project cost is estimated at $80 million, and Ecology's cost share is $14 million over an 11-to-15-year construction period. This request includes $3.32 million for Phase IIE and Phase IIF to continue the construction schedule for the state's share of the Yakima River Basin Water Enhancement Project in the 2025-27 biennium. Related to implementing the Governor's Salmon Strategy. (State Building Construction Account)

Project Description

Staff to provide project management oversight and implementation.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

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Project Number: 40000674
Project Title: 2025-27 Sunnyside Valley Irrigation District Water Conservation

SubProjects

SubProject Number: 40000676
SubProject Title: Ecology Project Staff

Grant Recipient Organization: Public Agriculture Water Supply Facilities and US Bureau of Reclamation
RCW that establishes grant: None
Application process used
N/A

Growth Management impacts
None

Funding

Acct Code	Account Title	Expenditures: Estimated Total	Expenditures: Prior Biennium	Expenditures: Current Biennium	2025-27 Fiscal Period: Reapprops	2025-27 Fiscal Period: New Approps
057-1	State Bldg Constr-State	70,000				70,000
	Total	**70,000**	**0**	**0**	**0**	**70,000**

Acct Code	Account Title	Future Fiscal Periods: 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

SubProject Number: 40000677
SubProject Title: 2025-27 Sunnyside Valley Irrig. Distr. Wtr Conserv. Ten Yr Plan

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Report Number: CBS002
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Project Number: **40000674**
Project Title: **2025-27 Sunnyside Valley Irrigation District Water Conservation**

SubProjects

SubProject Number: **40000677**
SubProject Title: **2025-27 Sunnyside Valley Irrig. Distr. Wtr Conserv. Ten Yr Plan**

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 22

Project Summary

The United States Bureau of Reclamation manages conservation improvements required by the Sunnyside Division Water Rights Settlement Agreement in the Yakima Basin Water Rights Adjudication. (State of Washington, Department of Ecology vs. James J. Acquavella et al.) These are multi-year projects, and Ecology is requesting additional funding to cover the required state match of 17.5% of total project costs for the next several biennia. The Sunnyside Valley Irrigation District Phase 2 project cost is estimated at $80 million, and Ecology's cost share is $14 million over an 11-to-15-year construction period. This request includes $3.32 million for Phase IIE and Phase IIF to continue the construction schedule for the state's share of the Yakima River Basin Water Enhancement Project in the 2025-27 biennium. Related to implementing the Governor's Salmon Strategy. (State Building Construction Account)

Project Description

Ten year financial plan

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Public Agriculture Water Supply Facilities and US Bureau of Reclamation
RCW that establishes grant: None
Application process used

N/A

Growth Management impacts

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	20,280,000				
	Total	**20,280,000**	**0**	**0**	**0**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State	5,070,000	5,070,000	5,070,000	5,070,000
	Total	**5,070,000**	**5,070,000**	**5,070,000**	**5,070,000**

Operating Impacts

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/1/2024 10:37AM

Project Number: 40000674
Project Title: 2025-27 Sunnyside Valley Irrigation District Water Conservation

SubProjects

SubProject Number: 40000677
SubProject Title: 2025-27 Sunnyside Valley Irrig. Distr. Wtr Conserv. Ten Yr Plan

No Operating Impact

Ecology 2025-27 Biennium Capital Budget Project List
Office of Columbia River
Sunnyside Valley Irrigation District Water Conservation

August 2024

Purpose: In May 2003, the Superior Court of Washington for Yakima County confirmed the surface water rights of the Sunnyside Division (a division of the federal Yakima Irrigation Project). This was done under a setltement agreement reached by Sunnyside, Ecology, the U.S. Bureau of Reclamation (USBR) and the Yakama Nation. THe parties agreed to implement water conservation measures under the Yakima River Basin Water Enhancement Project (YRBWEP) to reduce diversions to the Sunnyside Division from the Yakima River. Ecology will enter into three party agrements with local irrigation districts and the USBR for each share of the total project cost. The Ecology and local share is 17.5 percent each, and the USBR share is 65 percent. The USBR will manage the individual construction projects. Projects included below implement the settlement agreement.

Rank	CSID	Applicant / Recipient	Project Title	Project Description	Amount	Site Address	City	County	Leg. District	WRIA	Lat.	Long.
1		USBR	Sunnyside Valley Irrigation District	Piping of lateral water distribution system to include phases IIE and IIF that will pipe 21.5 miles of open laterals serving 4,172 acres with an estimated 2,315 acre-feet of water conserved annually.	3,250,000	120 S. 11th Street	Sunnyside	Yakima	15,16	36,37	46.33	-120.01
2			Ecology Project Staff	Staff to provide project management oversight and implementation.	70,000	N/A	N/A	N/A	N/A	N/A	N/A	N/A
				TOTAL	**3,320,000**							

2025-27 Biennial Budget HEAL Act Template

Background

HEAL Act requirements

The Healthy Environment for All Act (HEAL Act), Chapter 314, Laws of 2021 (RCW 70A.02) requires that "covered and opt in agencies" must implement the requirements of the HEAL Act. This includes the:

- Department of Ecology
- Department of Agriculture
- Department of Commerce
- Department of Health
- Department of Natural Resources
- Department of Transportation
- Puget Sound Partnership
- Office of the Attorney General

HEAL Act agencies that are considering a significant agency action initiated after July 1, 2023, are required to conduct an environmental justice assessment. RCW 70A.02.010(12) specifies that significant agency actions include:

- The development and adoption of significant legislative rules as defined in RCW 34.05.328.
- The development and adoption of any new grant or loan program that the agency is explicitly authorized or required by statute to implement.
- A capital project, grant, or loan award costing at least $12,000,000.
- A transportation project, grant, or loan costing at least $15,000,000.
- The submission of agency request legislation to the Office of the Governor or OFM.

Under RCW 70A.02.080, beginning on or before July 1, 2023, covered and opt in agencies must, where practicable, take specific actions when making expenditure decisions or developing budget requests to OFM and the Legislature for programs that address or may cause environmental harms or provide environmental benefits. This includes:

- Focus applicable expenditures on creating environmental benefits that are experienced by overburdened communities and vulnerable populations, including reducing or eliminating environmental harms, creating community and population resilience, and improving the quality of life of overburdened communities and vulnerable populations.
- Create opportunities for overburdened communities and vulnerable populations to meaningfully participate in agency expenditure decisions.
- Clearly articulate environmental justice goals and performance metrics to communicate the basis for agency expenditures.
- Establish a goal of directing 40% of grants and expenditures that create environmental benefits to vulnerable populations overburdened communities.

To help OFM understand how HEAL Act agency budget requests meet HEAL Act requirements, covered agencies are required to complete additional questions related to the HEAL Act. These questions are shown below and are in addition to the equity related questions required of all agencies. Covered agencies are asked to complete the following questions and submit them through ABS.

HEAL Act questions

If you answer YES to any of these bullet points, please answer the six additional questions and submit them as an attachment through ABS.

- Is this decision package part of an agency request legislation that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding to support another significant agency action that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding for a program/project/activity that may **provide environmental benefits or reduce, mitigate, or eliminate environmental harms**, (that is not a significant agency action)? Note: This may include decision packages for programs not purposely directed to provide environmental benefits but may have an indirect or unintentional impact.

  ☒ Yes

  ☐ No

If you answer YES to any of the above bullet points, please complete these additional questions.

1. Please describe specific likely or probable environmental harms and/or benefits related to your decision package and the associated health impacts to overburdened communities and vulnerable populations.

   The grants in this budget request are not anticipated to result in environmental harms to overburdened communities and vulnerable populations.

2. Please describe the estimated percentage and amount of the requested funds that will go towards creating environmental benefits in overburdened communities and vulnerable populations as defined in OFM's the OBC map or as determined by the agency. If applicable, please include your methodology for making this estimate, including project/award lists if available.

Ecology estimates that 75% of the requested funds will go towards creating environmental benefits in overburdened communities and vulnerable populations as defined by the OBC map. Sunnyside, and the surrounding communities benefitting and affected by this request are all identified as overburdened communities. Further, this estimate is based on grant funding that would continue to prioritize water supply projects that benefit people statewide and in particular rural, Tribal, and economically disadvantaged populations and communities within the Yakima Basin in Eastern Washington.

3. Please describe any potential significant impacts to Indian Tribes' rights and interest in their tribal lands, as well as traditional practices.

   Ecology does not anticipate any significant negative impacts to Indian Tribes' rights and interest in their tribal lands, as well as traditional practices. Several direct benefits are expected. The Sunnyside Valley Irrigation District (SVID) project is designed to improve water supply for instream uses for ecosystems and fish. The environmental and fishery benefits of improved water supply would support rural areas and under-represented communities, including Tribal nations throughout the Columbia and Yakima basins.

4. Describe how your agency engaged with Tribes in developing this proposal, including offers for tribal consultation including timelines, methods for feedback, and mechanisms for Tribes to express concern, opposition, or support., and any direction provided by Tribes through this engagement.

   This request addresses our state obligation under the court settlement agreement to fund the Yakima River Basin Water Enhancement Project (YRBWEP) and implement water conservation measures. Ecology supports the United States Bureau of Reclamation (USBR) implementation of this project, and Tribal consultation was not conducted.

5. If the decision package is part of agency request legislation or supports another significant agency action that is required to complete an environmental justice assessment under RCW 70A.02.010(12), please submit the assessment as an attachment in ABS.

   N/A. This decision package is not part of agency request legislation and does not support another significant agency action.

6. If the decision package is part of agency request legislation or constitutes a significant agency action that is required to complete an environmental justice assessment, please describe how your agency used the environmental justice assessment process to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits. If your agency determined that you were unable to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits, please provide a justification for not doing so.

   N/A

OFM

461 - Department of Ecology
Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/30/2024 9:44AM

Project Number: 40000721
Project Title: 2025-27 Stormwater Community-Based Public-Private Partnerships

Description

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 26

Project Summary

Stormwater runoff affects water quality and harms aquatic life and salmon. Ecology's Stormwater Community-Based Public-Private Partnership (CBP3) program is building the capacity of local governments to develop and manage CBP3s that achieve stormwater quality goals and improve quality of life in communities across the state. In Phases I and 2 of this project, Ecology established a statewide learning network and provided direct technical assistance, statewide learning and networking opportunities, and funding to help communities—including under-resourced communities—explore and develop innovative and non-traditional ways to deliver stormwater projects and public benefits. In this third phase, Ecology will fund shovel-ready public-private partnership or pay-for-performance pilot projects. This request is directly related to implementing the Governor's Salmon Strategy and Puget Sound Action Agenda. (State Building Construction Account)

Project Description

What is the proposed project?

Ecology is requesting $25 million to provide pass-through funding to local governments to implement pilot stormwater projects that include either a private or community partnership or use a pay-for-performance model to maximize water quality and other public benefits. This request will fund Phase 3 of a multi-phase approach to program development.

In Phase 1 of this project, Ecology worked in partnership with the Association of Washington Cities (AWC) and Department of Commerce to select a qualified consultant with experience developing CBP3s to provide outreach and education to local stormwater managers. Phase I initial implementation revealed a high level of interest in CBP3s among local stormwater managers. Our initial Learning Network meeting attendance was more than three times the initial estimate, and ongoing participation remains high, with 50-70 participants at each meeting representing communities of all sizes from all regions of the state (see attached summary).

The consultant continues to work directly with local governments to answer questions about CBP3s and identify potential stormwater quality CBP3 projects in their municipality. These discussions and potential projects are documented in a Readiness Assessment Brief that may be presented to city councils or other decision makers and used to develop funding proposals. Communities have been receptive to this approach as demonstrated by the 22 requests for technical project assistance in the first three months of formally accepting requests.

In Phase 2, Stormwater CBP3 Capacity and Partnership Grants were developed with direct feedback from Learning Network participants. This competitive grant program provides funding for communities to complete the planning and design of Stormwater CBP3 pilot projects and prepare them to receive the Phase 3 pilot project implementation dollars.

Phase 3, implementation of pilot projects, provides the initial implementation or seed funding for the highest priority pilot projects. Eligible projects will include regional stormwater parks, green job development maintenance programs, or other stormwater quality facilities and activities.

What opportunity or problem is driving this request?

Stormwater runoff carries a multitude of pollutants from urban development and roads, impacting water quality and harming aquatic life and salmon. Installing and maintaining water quality facilities to treat and manage flow from existing and new urban infrastructure is a significant financial burden and barrier to clean water, particularly in under-resourced communities. CBP3s provide another tool to increase the capacity of local governments to implement high-quality stormwater projects in Washington State.

Project Number: 40000721
Project Title: 2025-27 Stormwater Community-Based Public-Private Partnerships

Description

In 2018, the Washington Department of Commerce's Washington State Stormwater Community-Based Public-Private Partnership Feasibility Assessment established that CBP3s could potentially meet the needs of municipal stormwater permittees across Washington State. CBP3s capitalize on the strengths of public and private-sector participants to unlock financial resources, reduce the risks of project failure, expedite project delivery, and yield cost savings. CBP3s can address environmental justice concerns and efficiently provide a range of co-benefits, from job creation to new green spaces and recreation opportunities. Despite these benefits, very few municipalities have the resources to invest in the type of long-term planning and partnership building that larger-scale CBP3s or pay-for-performance programs require.

Current state and federal stormwater funding programs, such as the Stormwater Financial Assistance Program and Water Quality State Revolving Loan Fund, have not been unsuccessful at encouraging development of CBP3s in mid- and smaller-sized jurisdictions. This is because most stormwater managers in Washington do not have experience developing stormwater CBP3s, and current funding programs do not provide the specialized technical support that mid- and smaller-sized jurisdictions need to develop pilot projects. Requested funding for this project will provide resources and incentivize for communities to explore alternate ways of funding, building, and maintaining stormwater facilities. Commerce's 2018 feasibly assessment states that $10 million is the typical minimum investment needed to attract private partner investment. This request for $25 million will provide sufficient award funding to incentivize development of a large-scale stormwater CBP3 project and will also fund pay-for-performance and small-scale CBP3s that may be more appropriate for small communities.

To ensure long-term program viability and minimize administration costs, Ecology will administer the CBP3 program in coordination with the established Water Quality Combined Funding Program.

What are the specific benefits of this project?
This 2025-27 request is for Phase 3, implementation of pilot projects. In this phase, Ecology will continue to work with community partners to develop a funding program to incentivize implementing stormwater projects that include a community-based public-private partnership.

CBP3s capitalize on the strengths of public- and private-sector participants by unlocking financial resources, reducing risks of project failure, expediting project delivery, and providing cost savings. CBP3s can address environmental justice concerns and efficiently provide a range of co-benefits, from job creation to new green spaces and recreational opportunities.

Examples of eligible projects include regional stormwater parks, green job development maintenance programs, or other stormwater quality facilities and activities. Through outreach efforts completed in Phase 1, Ecology developed a list of projects that are likely to apply for funding in the first or second year of the funding program. When completed, these projects will achieve the following specific benefits:

- Reduced toxic pollutants, including the tire additive 6PPD, in streams and other water bodies through installing stormwater treatment and flow control best management practices.

- Protected and restored salmon habitat.

- Increased community engagement in project development.

- Economic growth and job creation.

- Cost savings for utility rate payers.

Project Number: 40000721
Project Title: 2025-27 Stormwater Community-Based Public-Private Partnerships

Description

- Enhanced green spaces in urban environments.

- Increased housing availability.

- Reduced greenhouse gasses and improved air quality.

Ecology will begin collecting community partner input on funding program guidelines in July 2025 and applications will open August 2026.

Ecology and our partners will assess performance of Phase 3 through direct feedback from local government, partners, and other interested parties and by monitoring ongoing interest in developing new stormwater CBP3 arrangements. Ecology will also evaluate the total water quality and community benefits achieved by funded projects.

This request will also provide economic benefits to the state by creating up to 76 jobs during the next four years based on Office of Financial Management estimates.

What are the effects of non-funding?
Statewide water quality and public health would be impacted if these grant dollars are not available to help local communities leverage private dollars and develop alternative contracting mechanisms for infrastructure to mitigate the effects of polluted stormwater.

Currently, local governments do not have the resources they need to build these important projects. Without these funds, capital stormwater improvement projects would not be constructed, and untreated stormwater would continue to pollute Washington's waterways. Untreated stormwater discharges toxic chemicals, bacteria, and nutrients into waters of the state, which in turn impacts shellfish habitat, fisheries, orca populations, human health, and other beneficial uses.

Why is this the best option or alternative?
Ecology explored funding stormwater CBP3 pilot projects through the Clean Water State Revolving Fund (CWSRF) and the Stormwater Financial Assistance Program (SFAP). To date, these funding sources have not been successful in funding stormwater CBP3s in Washington. Communities that receive CWSRF funds must meet additional federal funding requirements. The tracking, management, and reporting of these requirements may add significant complexity and risk to alternative or innovative project delivery processes. This, along with the financial burden of repaying a loan, is a significant disincentive for program participation, particularly for under-resourced communities.

The SFAP program provides grant funds to projects that provide treatment and flow control for stormwater runoff generated by existing urban surfaces. This program addresses a critical need for assistance for legacy pollutants, and demand for this program typically exceeds available funding. Limiting stormwater CBP3 projects to this funding program could 1) eliminate opportunities for private partnerships on new or redevelopment projects, and 2) be a disincentive for communities to participate in the stormwater CBP3 program since their retrofit and CBP3 projects would be competing against each other for the same funding source.

How will clients be affected and services change if this project is funded?
Currently, most local governments do not have resources available to navigate development of CBP3s. If this program is funded, communities will have additional options and tools for implementing stormwater quality projects and infrastructure resulting in installation of more water quality projects that provide multiple benefits to the community.

Project Number: 40000721
Project Title: 2025-27 Stormwater Community-Based Public-Private Partnerships

Description

Focus on Equity:
Target Populations and Communities
This request will fund the Stormwater Community-Based Public-Private Partnership phase 3 implementation program, which is intended to benefit people across Washington. There are no specific target populations and communities related to this request. However, projects identified as potential recipients for implementation dollars from this request will potentially provide the following environmental benefits to overburdened and vulnerable communities: reduced exposure to toxics from surface waters, drinking water, and consumption of fish and shellfish; enhanced greenspace; and improved air quality.

Community Outreach and Engagement
Ecology did not conduct community outreach and engagement specifically on this request. However, Ecology has worked to engage communities, specifically those who lack the resources to apply for state funds. As of July 1, 2024, 54% of the projects that received assistance are located within census tracks defined by OFM as an overburdened community. Proposals funded by this request will prioritize projects that implement an inclusive, community-centered engagement process and deliver benefits to overburdened communities and vulnerable populations.

Ecology engages Tribes in developing the Stormwater CBP3 program (funded through this request) through Tribal representation on the Financial Assistance Council. At the individual project level, Ecology staff coordinates a formal consultation process between the project implementer and Tribes. As part of the consultation process, Ecology works with recipients to develop a project description and identify the impacted area and provides this information directly to Tribes. Ecology will compensate fund recipients for their Tribal engagement costs and mitigation work requested by the Tribes. Projects that do not complete the consultation process are not eligible for funding.

Disproportional Impact Considerations
There are no anticipated disproportionate impacts related to this request. This program includes conditions and prioritization actions that support equitable outcomes. Ecology received feedback from potential applicants that small municipalities lack the skills, experience, and staffing capacity to effectively identify and engage vulnerable populations within their communities and to develop and apply for projects. To assist in overcoming these barriers, initial phases of the Stormwater CBP3 program provided interactive workshops, networking opportunities, one-on-one technical and grant application assistance, and funding for staff time. Local governments that serve overburdened and vulnerable populations received priority for assistance.

By improving water quality and restoring natural stream hydrology, this request supports salmon recovery, which supports Tribal treaty rights. However, constructing clean water facilities could impact Tribal cultural resources. Ecology facilitates a mandatory Tribal consultation process at the design stage for each funded facility to identify and mitigate any potential impacts.

HEAL Act Agencies Supplemental Questions
See attached.

What is the agency's proposed funding strategy for the project?
The proposed funding source for this request is the State Building Construction Account (SBCA).

Funding for this project includes $20,000 to maintain and update the applications in the agency's grant and loan system.

Project Number: 40000721
Project Title: 2025-27 Stormwater Community-Based Public-Private Partnerships

Description

Are FTEs required to support this project?
This request includes a total of 1.15 FTEs. Staff will continue the work started under Phase 2 and through Phase 3. Work includes administering the program, developing and soliciting applications, drafting grant guidelines, contracting with grant recipients, contracting with vendors and consultants, providing technical assistance, processing vendor/recipient payments, agreement maintenance and oversight, and closing grant awards.

Please note, these FTEs support both this new appropriation and other related reappropriation projects under this capital program.

How does the project support the agency and statewide results?
This request is essential to achieving the following Ecology goals:

- Goal 1: Support and Engage our Communities, Customers, and Employees because it will fund grants for community stormwater activity and facility projects that protect water quality and public health.

- Goal 2: Reduce and Prepare for Climate Impacts because it will fund projects that help communities update infrastructure for changing climate impacts and integrate climate resilience into stormwater management programs. Without these updates we risk infrastructure failure, flooding, and water pollution. It will address long-term sustainability by building and updating water pollution control facilities to prevent discharge of pollutants and creating opportunities for implementing natural drainage systems, promoting stormwater re-use, and groundwater recharge.

- Goal 4: Protect and Manage our State Waters because it will fund projects for water pollution control infrastructure and projects that reduce pollution and nutrient discharges.

This request is essential to achieving the following Governor’s Results Washington goals:

- Goal 2: Prosperous Economy because it will provide opportunities for quality jobs when new water quality infrastructure is constructed, or existing infrastructure is repaired or upgraded. The Office of Financial Management estimates that 12 direct and indirect jobs in Washington are created for every $1 million spent on building clean water infrastructure. The program also helps communities build well-functioning and sustainable clean water infrastructure that supports local economies.

- Goal 3: Sustainable Energy and a Clean Environment because it will provide grants for high-priority water quality projects statewide. Stormwater infrastructure projects help local communities protect public health and the environment by reducing pollution of our lakes, rivers, streams, marine waters, estuaries, and groundwater.

- Goal 4: Health and Safe Communities because it will fund projects that address the impacts of climate change and improve community resilience by supporting long-term, multi-benefit solutions to impacts from stormwater pollution, including nutrients, toxics, and temperature. This request supports Environmental Justice issues by actively engaging members of overburdened communities in development and multi-benefit stormwater projects.

- Goal 5: Efficient, Effective, and Accountable Government because it will use previous state investments in Stormwater CBP3s.

This request is directly related to implementing the Governor's Salmon Strategy:

- Strategic Priority: 2. Invest in clean water infrastructure for salmon and people
- Action: 2b. Stormwater and wastewater infrastructure improvements

Project Number: 40000721
Project Title: 2025-27 Stormwater Community-Based Public-Private Partnerships

Description

Puget Sound recovery
This request supports several Orca Task Force Recommendations as well as supports the 2022-2026 Puget Sound Action Agenda implementation through Ongoing Program OGP_38 Water Quality - Provide Financial Assistance, and through various Vital Signs, Strategies, Targets, Desired Outcomes, and Actions included in the Action Agenda. See attachment B for a complete list of linkages between this request and the agenda.

How will the other state programs or units of government be affected if this project is funded?
This request will implement recommendations from work done by the Department of Commerce in 2018. Ecology will continue partnering with the Department of Commerce and local government stakeholders as they implement the CBP3 program.

Ecology's Water Quality Program coordinates and collaborates with most other Ecology programs through a variety of groups, including the Ecology Grants Group and the Ecology Cultural Resources Environmental Workgroup, and on a project-by-project basis where there are cross-program project elements. The Water Quality Program is highly engaged in cross-agency coordination and collaboration through its commitment to the Infrastructure Assistance Coordinating Council (IACC), Maximizing Resources workgroup, Small Communities Initiative (SCI), and the Sync Infrastructure Improvement Team (Ecology, Health, Commerce, Transportation, and Public Works Board).

Many local governments propose important water quality projects that cannot be fully funded with existing resources. This is especially true for small, financially distressed communities. Ecology works with recipients and other state and federal agencies to coordinate funding and technical assistance for water quality infrastructure projects.

Ecology is engaged as a partner with the Public Works Board, Department of Commerce, and Department of Health in an ongoing effort to improve and better collaborate and coordinate state financial assistance for water infrastructure in Washington. This effort, called the Sync System Improvement Team, is focused on identifying and implementing strategies and best practices for improving access to funding programs and improved value, outcomes, cost effectiveness, and sustainability of water infrastructure projects. This work, along with ongoing Clean Water State Revolving Fund and Stormwater Financial Assistance Program funding, supports improved statewide financial assistance and water quality project outcomes and allows us to better serve and engage small, financially challenged communities.

Project Type
Grants

461 - Department of Ecology
Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/30/2024 9:44AM

Project Number: 40000721
Project Title: 2025-27 Stormwater Community-Based Public-Private Partnerships

Description

Grant Recipient Organization: Local governments

RCW that establishes grant: N/A

Application process used

Ecology manages an integrated annual funding approach using a joint application, evaluation, and rating and ranking process for the Stormwater Community-Based Public-Private Partnership Program Clean Water State Revolving Fund, Centennial Clean Water Program, Stormwater Financial Assistance Program, the Clean Water Act Section 319 federal grant program, and Stormwater Grants of Regional or Statewide Significance. The application period begins in August with applications due mid-October. Ecology staff screen, review, and rate and rank the applications from November through December. In early November, the funding application list is available for each fiscal year funding cycle and is provided to the Governor's office and key Legislators. The evaluation and points are assigned according to an objective rating system that identifies the highest priority water quality and public health needs statewide. Projects that serve under-resourced communities receive priority for funding. Costs include maintenance and updates to the applications in the agency's grant and loan system.

Growth Management impacts

Compliance with GMA will be a condition of funding for all projects receiving design or construction funding.

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	125,000,000				25,000,000
	Total	**125,000,000**	**0**	**0**	**0**	**25,000,000**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State	25,000,000	25,000,000	25,000,000	25,000,000
	Total	**25,000,000**	**25,000,000**	**25,000,000**	**25,000,000**

Operating Impacts

No Operating Impact

In Phase 1 of the Stormwater CBP3 program, Ecology and Environmental Incentives began accepting requests for technical assistance to explore potential Stormwater CBP3 projects in their communities. The project below are a sample of the communities that have expressed interest in the program and have received technical assistance including the development of a Readiness Assessment Brief. The purpose of this list is to provide project examples, but does not include all eligible projects, project types, or eligible applicants. Ultimately, these projects may not elect to apply for CBP3 funding.

Potential CBP3 Projects		Project Area Health Disparities Rank (1=low risk, 10= highest risk) (Source Washington Environmental Health Disparities Map https://doh.wa.gov/data-and-statistical-reports/washington-tracking-network-wtn/washington-environmental-health-disparities-map)					Project Benefits							
Local Government	Project Category	Environmental Exposures	Environmental Effects	Socioeconomic Factors	Sensitive Populations	Located within OFM Mapped Area	Reduce Toxics from Stormwater	Protect or Restore Salmon Habitat or Shellfish	Create Opportunity for Economic Growth or Green Jobs	Cost -Savings for Ratepayers	Enhance Green Space	Community Engagement	Improve Housing Availability	Improve Public Transportation/Air Quality
Tukwila Public Works	Partner with a group of businesses to address drainage issues affecting private property, public ROW, stormwater management, water quality, and fish passage.	10	10	9	6	Yes	Yes	Yes	Yes	Possibly	Possibly	Yes	No	No
King County Government	Implement a performance contracting approach to achieve permit compliance.	10	10	10	6	Yes	Yes	Yes	Yes	Yes	Possibly	Yes	No	No
King County Government	Develop CBP3 that builds and operates new decant facilities across Western Washington	NA	NA	NA	NA	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes
Seattle Public Utilities	SPU's RainCity Phase I retrofits private properties with Green Stormwater Infrastructure to improve drainage system capacity and discharge water quality.	NA	NA	NA	NA	Yes	Yes	Yes	Yes	Possibly	Yes	Yes	No	No
City of Olympia	Work with local communites to repair degraded roadside swales and facilitate parking options for accessory dwelling units in urban neighborhoods.	6	7	5	2	Yes	Yes	Yes	Yes	Possibly	No	Yes	Yes	Yes
City of Spokane	New regional stormwater facility.	9	10	7	10	Yes	Yes	Yes	Yes	Possibly	Possibly	Yes	Possibly	Possibly
City of Mill Creek	Update stormwater infastructure as part of a redevlopment project to create a walkable, livable downtown.	6	2	2	2	No	Yes	Yes	Yes	Possibly	Possibly	Yes	Possibly	Yes
Clark County Public Works Clean Water	Implement a pay-for-performance contract to maintain stormwater bioretention cells.	NA	NA	NA	NA	No	Yes	Yes	Yes	Yes	Possibly	Yes	No	No
City of Sammamish	Implement a pay-for-performance contract to maintain stormwater stormwater bmps and vegetation.	4	1	3	4	No	Yes	Yes	Yes	Yes	Possibly	Yes	No	No
City of Kirkland	Partner with private properties to install regional flow-control and treatment facilities.	8	5	5	8	No	Yes	Yes	Possibly	Possibly	Possibly	Yes	No	Possibly
City of Kirkland	Work with community partners to create mulit-benefit public-private stormwater projects on public property.	9	7	1	1	No	Yes	Yes	Possibly	Possibly	Yes	Yes	Possibly	Yes

Attachment B

Linkages to Puget Sound Action Agenda Implementation

This attachment provides additional supporting details for the following capital project request (CPR) as it relates to the Puget Sound 2022-2026 Action Agenda implementation.

CPR Title: 2025-27 Stormwater Community-Based Public-Private Partnership Implementation

Vital Signs

- Freshwater
- Marine Water
- Streams and Floodplains
- Toxics in Aquatic Life
- Estuaries
- Forests and Wetlands
- Forage Fish
- Groundfish and Benthic Invertebrates
- Orcas
- Salmon
- Air Quality
- Outdoor Activity
- Shellfish Beds
- Economic Vitality
- Good Governance
- Sense of Place
- Sound Stewardship

Strategies

- 1. Smart Growth
- 10. Stormwater Runoff and Legacy Contamination
- 15. Salmon Harvest & Hatchery
- 19. GHG Reductions and Carbon Sequestration
- 20. Climate Adaptation and Resilience
- 21. Sense of Place
- 22. Recreation and Stewardship
- 23. Transparent and Inclusive Governance
- 24. Cultural Practices
- 26. Human Health
- A. Funding
- B. Strategic Leadership & Collaboration

Targets - Support 1,340 homes or structures with reduced flood or climate risk

Desired Outcomes

- 1.5.2 Infiltration and water holding capacity of upland areas (developed lands, agricultural lands and working forests, and natural lands) increased.
- 2.1.1 Toxic hotspots where stormwater runoff or wastewater contain significant

concentrations of numerous toxic chemicals reduced through improved source control and/or treatment.

- 2.1.4 Toxics in infrastructure and building materials removed through source control and/or management/remediation.
- 2.2.2 Nutrient loading in stormwater runoff from residential and commercial lands reduced.
- 2.2.5 Sites that support natural nutrient attenuation restored, enhanced, or created.
- 2.3.4 Disease-causing (pathogenic) bacteria and viruses in stormwater runoff from residential and commercial lands reduced.
- 2.4.1 Risk and potential harm of spills of oil and hazardous substances to waterways reduced.
- 4.1.1 Better understand and communicate the effects of climate change on Puget Sound.
- 4.2.1 Human-caused greenhouse gas emissions in Washington State reduced 95% below 2005 levels by 2050.
- 4.3.1 Increase the resilience of the Puget Sound ecosystem and recovery efforts by adapting to changing climate and ocean conditions when conducting protection and restoration activities.
- 5.1 Senses of place of Puget Sound residents are respected and enhanced.
- 5.2 Engagement in and trust of Puget Sound environmental and natural resource governance is increased.
- 5.4 Employment and production in natural resources sectors such as fisheries, aquaculture, agriculture, timber, ecosystem restoration, and tourism are made resilient.
- 5.5 Participation in outdoor recreational and stewardship activities is enhanced.
- 5.6.2 Levels and patterns of contaminants in drinking water do not threaten Puget Sound communities or vulnerable populations with adverse health outcomes.
- 5.6.3 Levels and patterns of contamination in fish and shellfish harvested from Puget Sound waters do not threaten the health of Puget Sound communities or vulnerable populations.
- 5.6.4 Levels and patterns of pollutants and biotoxins in surface waters do not threaten the health of Puget Sound communities or vulnerable populations.

Actions

- 3. Conduct watershed-scale planning and land use planning to protect and restore water quality.
- 10. Support watershed cleanup implementation and the development of cleanup plans such as Total Maximum Daily Loads (TMDLs) and other strategies to limit fecal pollution.
- 31. Encourage retrofits and restoration through education and incentives.
- 32. Increase local stormwater management capacity (including funding. staffing resources. and management tools and information).
- 43. Prioritize, prevent, and manage (regulations, permits, and incentives) chemicals of emerging concern.
- 78. Engage with community groups, educational institutions, and communication specialists to develop and share relevant, trans-created, and accessible information on civic engagement and decision-making opportunities.
- 86. Increase number. accessibility. and protections for multi-use and multi-cultural

natural spaces (for example. fish and shellfish harvesting. camping. boating. and gardening. etc.). including green spaces and waterways.

- 98. Increase funding for and promote multi-benefit solutions in restoration and protection project development to include considerations for job creation.
- 128. Advance diversity, equity, inclusion, and environmental justice in Puget Sound recovery efforts.
- 135. Improve networks for sharing information across public (transboundary, federal, tribal nations, state, and local) and private sectors.
- 137. Implement multi-benefit projects and programs that synergistically advance Puget Sound recovery goals and reduce greenhouse gas emissions, increase carbon sequestration in Puget Sound ecosystems, increase climate adaptation, and promote climate resilience.
- 139. Develop and implement land use and transportation planning to reduce energy use and greenhouse gas emissions and adapt to the effects of climate change.
- 150. Ensure that vulnerable populations and underserved communities are welcomed and engaged as full partners and support the priorities identified by communities when working to decrease the magnitude of climate change, advance climate change adaptation, and increase resilience to climate change.
- 151. Regreen urban spaces.
- 154. Prevent and reduce combined sewer overflows.
- 161. Ecosystem recovery processes and decision making are inclusive of a broader set of committed stakeholders, including vulnerable populations and underserved communities, and diverse forms of knowledge.
- 162. Increase capacity for vulnerable populations and underserved communities to engage in environmental decision-making.
- 163. Increase trust by including and communicating directly and effectively with new and diverse audiences.
- 173. Secure sustainable, equitable, and dedicated federal, state, local, and tribal nations funding sources to fully fund Puget Sound and salmon recovery.
- 174. Mobilize new and diverse private funding sources to advance Puget Sound and salmon recovery (for example, private foundations, businesses, individuals, and market- based mechanisms).
- 175. Identify and expand funding for subject-specific topics with unique funding requirements (for example, onsite sewer systems and salmon recovery).
- 181. Build infrastructure for and implement a rapid funding response capacity for Puget Sound.
- 197. Honor tribal nations' treaty and sovereign rights, obligations and inherent sovereign interests when considering implementation of Puget Sound recovery projects and programs, and actively engage with tribal nations to align and incorporate shared goals.
- 200. Limit people's exposures to harmful water pollution.
- 207. Increase coordination, efficiency, and effectiveness of current funding programs to extend impact of current funding
- 210. Strengthen relationships and understanding to enhance collaboration.

Ongoing Program - OGP_ECY38 Water Quality - Provide Financial Assistance

Orca Task Force Recommendations

- 31. Reduce stormwater threats and accelerate clean-up of toxics harmful to orcas.
- 32. Improve effectiveness, implementation and enforcement of National Pollutant Discharge Elimination System permits to address direct threats to Southern Resident orcas and their prey.
- 34. Provide sustainable funding for implementation of all recommendations.

2025-27 Biennial Budget HEAL Act Template

Background

HEAL Act requirements

The Healthy Environment for All Act (HEAL Act), Chapter 314, Laws of 2021 (RCW 70A.02) requires that "covered and opt in agencies" must implement the requirements of the HEAL Act. This includes the:

- Department of Ecology
- Department of Agriculture
- Department of Commerce
- Department of Health
- Department of Natural Resources
- Department of Transportation
- Puget Sound Partnership
- Office of the Attorney General

HEAL Act agencies that are considering a significant agency action initiated after July 1, 2023, are required to conduct an environmental justice assessment. RCW 70A.02.010(12) specifies that significant agency actions include:

- The development and adoption of significant legislative rules as defined in RCW 34.05.328.
- The development and adoption of any new grant or loan program that the agency is explicitly authorized or required by statute to implement.
- A capital project, grant, or loan award costing at least $12,000,000.
- A transportation project, grant, or loan costing at least $15,000,000.
- The submission of agency request legislation to the Office of the Governor or OFM.

Under RCW 70A.02.080, beginning on or before July 1, 2023, covered and opt in agencies must, where practicable, take specific actions when making expenditure decisions or developing budget requests to OFM and the Legislature for programs that address or may cause environmental harms or provide environmental benefits. This includes:

- Focus applicable expenditures on creating environmental benefits that are experienced by overburdened communities and vulnerable populations, including reducing or eliminating environmental harms, creating community and population resilience, and improving the quality of life of overburdened communities and vulnerable populations.
- Create opportunities for overburdened communities and vulnerable populations to meaningfully participate in agency expenditure decisions.
- Clearly articulate environmental justice goals and performance metrics to communicate the basis for agency expenditures.
- Establish a goal of directing 40% of grants and expenditures that create environmental benefits to vulnerable populations overburdened communities.

To help OFM understand how HEAL Act agency budget requests meet HEAL Act requirements, covered agencies are required to complete additional questions related to the HEAL Act. These questions are shown below and are in addition to the equity related questions required of all agencies. Covered agencies are asked to complete the following questions and submit them through ABS.

HEAL Act questions

If you answer YES to any of these bullet points, please answer the six additional questions and submit them as an attachment through ABS.

- Is this decision package part of an agency request legislation that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding to support another significant agency action that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding for a program/project/activity that may **provide environmental benefits or reduce, mitigate, or eliminate environmental harms**, (that is not a significant agency action)? Note: This may include decision packages for programs not purposely directed to provide environmental benefits but may have an indirect or unintentional impact.

  ☒ Yes

  ☐ No

If you answer YES to any of the above bullet points, please complete these additional questions.

1. Please describe specific likely or probable environmental harms and/or benefits related to your decision package and the associated health impacts to overburdened communities and vulnerable populations.

   There are no anticipated probable environmental harms or health impacts to overburdened communities and vulnerable populations from this decision package. The capital projects constructed through this decision package may directly reduce heath disparities in overburdened communities. The Environmental Protection Agency's data shows that areas with aging infrastructure are also more likely to be where low-income, linguistically isolated, or racially diverse residents live and work. This means these vulnerable populations might face health risks from exposure to harmful chemicals in runoff and may bear a heavier burden of the costs and inconvenience of fixing utility problems. Creating community-based partnerships prioritizes

engagement with the populations served incorporates local community goals into capital stormwater projects. Projects identified as potential recipients for implementation dollars will potentially provide the following environmental benefits to overburdened and vulnerable communities: reduced exposure to toxics from surface waters, drinking water, and consumption of fish and shellfish, enhanced greenspace, and improved air quality.

2. Please describe the estimated percentage and amount of the requested funds that will go towards creating environmental benefits in overburdened communities and vulnerable populations as defined in OFM's the OBC map or as determined by the agency. If applicable, please include your methodology for making this estimate, including project/award lists if available.

   Ecology analyzed the current potential project list and determined that 54 % of the potential projects are directly located within census tracks defined by OFM home to overburdened and vulnerable populations. Of the projects that are not likely to be constructed directly within an OFM defined area, 100% are located upstream of a waterbody that provides habitat for salmon or shellfish, significant subsistence food sources and culturally relevant species. The implemented projects will prevent the toxic pollution generated upstream impacting overburdened and vulnerable communities located downstream.

3. Please describe any potential significant impacts to Indian Tribes' rights and interest in their tribal lands, as well as traditional practices.

   By improving water quality and restoring natural stream hydrology, this request supports salmon recovery and the fulfillment of Tribal treaty rights. However, the construction of clean water facilities could impact Tribal cultural resources. Ecology facilitates a mandatory Tribal consultation process at the design stage for each funded facility to identify and mitigate potential impacts.

4. Describe how your agency engaged with Tribes in developing this proposal, including offers for tribal consultation including timelines, methods for feedback, and mechanisms for Tribes to express concern, opposition, or support., and any direction provided by Tribes through this engagement.

   Ecology engages Tribes in the development of Stormwater CBP3 program through Tribal representation on the Financial Assistance Council. At the individual project level, Ecology staff coordinates a formal consultation process between the project implementer and Tribes. As part of the consultation process, Ecology works with the recipient to develop a project description and identify the impacted area and provides this information directly to Tribes. Ecology continues to update Tribes with any changes to project location or scope through project design and implementation. Funding recipients' expenses for Tribal engagement and mitigation work requested by the Tribes are eligible for reimbursement from Ecology. Projects that to do not complete the consultation process are not eligible for funding.

5. If the decision package is part of agency request legislation or supports another significant agency action that is required to complete an environmental justice assessment under RCW 70A.02.010(12), please submit the assessment as an attachment in ABS.

   N/A. This decision package is not a significant agency action.

6. If the decision package is part of agency request legislation or constitutes a significant agency action that is required to complete an environmental justice assessment, please describe how your agency used the environmental justice assessment process to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits. If your agency determined that you were unable to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits, please provide a justification for not doing so.

   N/A

OFM

461 - Department of Ecology
Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/26/2024 5:02PM

Project Number: **40000673**
Project Title: **2025-27 Riparian Buffer Incentive Program**

Description

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 27

Project Summary

This request will provide resources for riparian protection and restoration incentives to accelerate riparian buffer establishment. It will augment Ecology's successful Centennial Clean Water Grant Program and federal Section 319 Nonpoint Financial Assistance Program by providing additional funds to support ecosystem services incentive payments or other incentives to accelerate the rate of implementation of riparian buffers. These buffers are critical to meeting water quality standards, implementing water quality cleanup plans, and supporting climate resilience. Related to implementing Washington's Climate Resilience Strategy, the Governor's Salmon Strategy, and the Puget Sound Action Agenda. (State Building Construction Account)

Project Description

What is the proposed project?

Ecology is requesting $30 million to implement a riparian buffer incentives program. This funding will complement the existing Centennial Clean Water and federal Section 319 Nonpoint Source grant programs. It will use the same funding guidelines (https://apps.ecology.wa.gov/publications/SummaryPages/2310020.html) and expand our pilot program in the Hangman Creek Watershed that is successfully accelerating implementation of protective buffers in support of the Total Maximum Daily Load (TMDL) within the watershed. Key components of this new program will include:

- Support for implementation in areas where we have TMDLs and other cleanup plans (Straight to Implementation and other Advanced Restoration Plans). The program will prioritize sites where our nonpoint staff have contacted a landowner through our watershed evaluation process, referrals from local governments and other state agencies, or as the result of a complaint.

- Ecosystem services provide incentive payments for buffers based on the Hangman Creek commodity buffer program pilot, which pays producers for income lost due to replacing commodity crops with a riparian buffer. This new program will provide greater incentives for larger buffers with bonuses for buffers that meet or exceed the SPTH200 standard.

- A focus on long-term leases/easements/landowner agreements and acquisitions to keep riparian buffers in place for longer periods of time (modeled on work done in Oregon with long-term leases).

- Support for climate resilience and exploring creating climate credits to assist with long-term protection. Riparian buffers provide multiple benefits for adaptation to climate change. For example, they help address increases in water temperature by keeping water cool through shade and microclimate creation and helping with flood mitigation. Additionally, perennial vegetation, such as trees, is particularly beneficial for long-term atmospheric carbon sequestration. We plan to work with partners to explore whether carbon credits could be created and sold to provide an additional financial incentive for creating this long-term carbon sequestration.

- Grants available to nonprofit entities (e.g., salmon enhancement groups, land trusts, adopt a stream), public entities, and Tribes.

- Funding for riparian planting, plant establishment, and long-term maintenance.

- Support for WCC (Washington Conservation Corps) crews to be on call for buffer implementation and maintenance.

- Partnering with Tribes on implementing the program. We plan on inviting Tribes to provide input on establishing incentive rates and project prioritization.

Project Number: 40000673
Project Title: 2025-27 Riparian Buffer Incentive Program

Description

What opportunity or problem is driving this request?
Scientific literature is clear that wider buffers than those recommended nationally by the Natural Resource Conservation Service (NRCS) are needed to support a range of important ecological functions that are critical to protecting water quality and salmon. Wider buffers keep streams cool by providing shade and creating a cooler microclimate around the stream. They provide source control by trapping and filtering pollutants, such as nutrients, sediment, pesticides, toxics, and pathogens, from upgradient areas before they reach the stream. They also help to stabilize stream banks, which further reduces sediment inputs into waterways. Fully protective buffers are the key management practice we use to protect and clean up waters in our Nonpoint 319 and Total Maximum Daily Load-303d (TMDL) Programs.

Fully protective buffers are the key best management practice, but we do not have adequate funding targeted at increasing its implementation in our nonpoint and TMDL programs. This request will complement the existing Centennial/319 non-point financial assistance and use the same funding guidelines. It will support implementation in areas with TMDLs and other cleanup plans (which are not the focus of other riparian buffer funding programs, such as the State Conservation Commission's Riparian Grant Program and Conservation Reserve Enhancement Program, Federal Farm Bill grants like the NRCS Riparian Buffer Program, and Salmon Recovery grants).

With additional funding, we will expand on the successful Hangman Creek commodity buffer program pilot project as a framework. Increased incentives for larger buffers and those that meet or exceed the 200-year site potential tree height (SPTH) riparian buffer standard established by the Washington Department of Fish and Wildlife (WDFW) in the 2020 document (Riparian Ecosystems, Volume 2: Management Recommendations - https://wdfw.wa.gov/publications/01988). We will prioritize sites where nonpoint staff have contacted landowners through the watershed evaluation process, which is critical for successful implementation of our TMDL and nonpoint programs.

Providing adequate financial assistance and financial incentive tools for establishing protective buffers is critical for our staff who work with private landowners to successfully implement nonpoint portions of TMDLs and other water cleanup plans. Financial assistance programs also help minimize the need to use enforcement. The Environmental Protection Agency is asking more from our TMDL, Nonpoint, and Coastal Zone Act Reauthorization Amendments (CZARA) programs and to do more work on riparian buffers. Financial assistance for buffers is critical to implementing those programs and minimizing legal risk as we carry out this work (i.e., lawsuits challenging our nonpoint and CZARA approvals and challenging our TMDLs).

The current water quality financial assistance programs function well in establishing watershed and nonpoint best management practices, but funding gaps exist when attempting to implement ecosystem service payments or other more attractive incentives for buffers that meet the SPTH standard. More funding is needed to establish, protect, and restore riparian buffers through landowner payment for loss of use and conversion to riparian restoration and protection. No other state grant program is providing these types of incentives to landowners. This request is meant to fill that gap, which has been identified as a significant barrier for landowner participation—particularly in agricultural areas where valuable crop land exists.

What are the specific benefits of this project?
This requested funding will advance the pace of riparian protection and restoration through providing landowner incentives to establish SPTH-width buffers that protect water quality, restore salmon habitat, and improve climate resilience. We estimate this funding will result in approximately 1,500 acres of restored riparian buffer in key watersheds throughout the state over the next three to five years. Buffer incentive funds will be paired with the Water Quality Combined Funding Program nonpoint funding sources to expand on the significant results already being achieved through implementing water quality best

Description

management practices, riparian restoration, and acquisition for watershed protection and restoration.

This request will also provide economic benefits to the state by creating up to two jobs during the next four years based on Office of Financial Management estimates.

What are the effects of non-funding?
If this request is not funded, improvements to riparian ecosystems, water quality, and associated salmon recovery and climate resilience would not advance at a rate that brings real change to Washington's waters.

Why is this the best option or alternative?
A range of options to incentivize implementation of buffers have been evaluated over time through the water quality financial assistance program. Recent pilot project work in the Hangman watershed in Eastern Washington implementing ecosystem service payments to landowners to establish buffers that meet water quality standards had incredible success. With just over $3 million in funding invested, Ecology has been able to protect 9.3 miles of stream with planting and protection of 169 acres of riparian buffer. This request will provide adequate funding to expand this work statewide in coordination with the ongoing nonpoint best management practice implementation work being done through Clean Water State Revolving Fund, Centennial, and Section 319 funding resources. This funding has the potential to protect and restore 1,500 acres of riparian buffer along 165 miles of stream.

How will clients be affected and services change if this project is funded?
This request will improve options, enhance opportunity, and improve outcomes of the current, well-established Water Quality Combined Funding Program. Current funding recipients will be able to offer better and more attractive incentives to landowners that offset any potential loss from active agricultural uses and facilitate the conversion of riparian-adjacent acreage to an ecosystem-protective buffer. Based on the success of the Hangman watershed pilot project, this is anticipated to create significant interest in riparian protection.

Focus on Equity:
Target Populations and Communities
This request is intended to improve water quality and address climate resilience, predominantly in rural areas and income-constrained communities that would not otherwise have the resources to fund these projects. Small rural populations often bear the brunt of pollution from activities such as waste disposal or agricultural operations.

By improving water quality and restoring natural stream hydrology, this request will support salmon recovery and fulfillment of Tribal treaty reserved rights.

Community Outreach and Engagement
Funding assistance for nonpoint source pollution abatement and riparian protection and restoration has been communicated through the annual Water Quality Combined Funding Program through annual funding workshops, public comment on funding offers, and news releases and blogs. The funding program emphasizes community outreach and engagement and building community partnerships through its competitive application process. The program also has a financial advisory committee (FAC) made up of a diverse group of community partners, including local governments, special purpose districts, Tribal governments, and state and federal program members. The FAC helps water quality financial assistance programs build tools and direct funding to the highest priority outcomes, including an ongoing emphasis on addressing disadvantaged community needs and removing barriers to funding.

Project Number: 40000673
Project Title: 2025-27 Riparian Buffer Incentive Program

Description

Tribal consultation is part of every project funded by the Water Quality Combined Funding Program. Although the emphasis of current Tribal consultation is on protecting cultural resources that may be potentially affected by projects, this process creates a priority connection between Ecology and Tribal governments on water quality project priorities and implementation. In addition, many Tribal governments regularly access and use water quality financial assistance to support their priority projects to protect water quality, community health, and salmon recovery.

Disproportional Impact Considerations
This request will provide multiple benefits to a wide range of priority issues, including improving climate resilience resulting from increased functionality of riparian buffers. This will improve stream health and reduce flooding potential in urban streams that can disproportionately impact low-income communities. Outcomes include improved watershed diversity and ecosystem recovery, improved local hydrology, and reduced stream temperatures and flow. These environmental improvements will lead to improved environmental conditions for communities in those watersheds.

Larger riparian buffers, restoration, and improved stream health will directly benefit aquatic life, salmon habitat, and salmon recovery efforts, which address Tribal treaty rights.

HEAL Act Agencies Supplemental Questions
See attached.

What is the agency's proposed funding strategy for the project?
Ecology is requesting $30 million from the State Building Construction Account (SBCA). If SBCA is not available, or if there is a desire to add additional funding above the requested amount in 2025-27, an alternative to SBCA funding would be the Natural Climate Solutions Account (NCSA), created in RCW 70A.65.270. Moneys in the NCSA can be used to restore and protect estuaries; foster carbon sequestration in forests, agricultural soils, and aquatic lands; promote climate resilience through protecting and planting trees in riparian areas; and create new conservation lands and community forests.

Ecology's Water Quality Program will administer the Riparian Buffer Incentive Program as part of the well-established, integrated annual Water Quality Combined Funding cycle. Grants will be awarded on a competitive basis to eligible public bodies for high-priority water quality projects throughout Washington. Proposed projects address nonpoint-source water pollution control issues, riparian protection, and restoration. Applications are accepted each year in the fall, and projects are reviewed, rated, and ranked, with a draft list published for public comment and provided to the Legislature in January. The final list with project awards is issued by July, following legislative appropriation of funding.

Funding for this project includes $40,000 to set up and maintain the new grant or loan application in the agency's systems.

Are FTEs required to support this project?
This request is for a total of 2.3 FTEs. Two environmental specialists are needed to add capacity to implement and manage ecosystem services and other riparian buffer incentives that will be developed and integrated into the funding program to expand riparian restoration efforts statewide.

How does the project support the agency and statewide results?
This request is essential to achieving the following Governor's Results Washington Goals:

Description

- Goal 3: Sustainable Energy and a Clean Environment because it will implement riparian restoration and protection programs, reduce nonpoint pollution through source control, and implement water quality best management practices.

- Goal 4: Health and Safe Communities because it will fund projects that address the impacts of climate change and improve community resilience through support of long-term, multi-benefit solutions to problems caused by water pollution, including excess nutrients and increased temperature that can degrade surface and ground water quality and potentially impact public health and the environment.

- Goal 5: Efficient, Effective, and Accountable Government because it will provide one application, rating, and ranking process to award funds from multiple funding sources, including the Riparian Buffers Incentive Program. This creates an efficient and streamlined approach for communities to apply for funding resources through an integrated water quality financial assistance program.

This request is essential to achieving all four of Ecology's goals:

- Goal 1: Support and engage our communities, customers, and employees because it will fund projects that help offset disproportionate impacts on rural and low-income communities and financially disadvantaged areas of the state.

- Goal 2: Reduce and prepare for climate impacts because it will fund projects that prepare communities for climate impacts and integrate climate resilience and long-term sustainability practices. For example, projects will increase stream buffers and native vegetation to address stream flow dynamics, temperature impacts, and carbon sequestration and improve water quality.

- Goal 3: Prevent and reduce waste, toxic threats, and pollution, along with Goal 4: Protect and manage our state's waters because it will provide riparian buffer incentive financial assistance for projects that reduce impacts from nonpoint pollution, pesticide and toxic discharges, and nutrient discharges. These projects lead to direct and indirect improvements to water quality by implementing nonpoint pollution abatement projects and improving salmon habitat.

This request also directly implements the following recommended priority and action in the 2021 Governor's Salmon Strategy update:

- Strategic Priority: 1. Protect and restore vital salmon habitat
- Action: 1b. Riparian management

This request is also related to actions currently proposed in the draft Washington's Climate Resilience Strategy, which is being developed under RCW 70A.05 and will be finalized by September 30, 2024.

Puget Sound recovery
This request supports several Orca Task Force Recommendations as well as the 2022-2026 Puget Sound Action Agenda implementation through various Vital Signs, Strategies, Targets, Desired Outcomes, Actions, and Ongoing Programs included in the Action Agenda. See attachment A for a complete list of linkages between this request and the agenda.

How will the other state programs or units of government be affected if this project is funded?
Work will be coordinated with Ecology's Shorelands and Environmental Assistance Program and new federal funding for the Climate Resilient Riparian Systems Lead (CR2SL) grant program. This funding will support and leverage the CR2SL federal funding by providing the required state matching funds to secure the federal dollars.

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/26/2024 5:02PM

Project Number: 40000673
Project Title: 2025-27 Riparian Buffer Incentive Program

Description

This work will also be coordinated through the Align Workgroup established through a memorandum of understanding between Ecology, RCO, WDFW, and PSP. The Align Workgroup was established to address improving and advancing ecosystem restoration and salmon recovery through coordination and collaboration of cross-agency programs that provide ecosystem protection and restoration financial assistance.

Location
City: Statewide **County:** Statewide **Legislative District:** 098

Project Type
Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A
Application process used
Ecology's Water Quality Program will administer the Riparian Buffer Incentive Program under a well-established, integrated annual funding cycle since 1988, awarding grants on a competitive basis to eligible public bodies for high-priority water quality projects throughout Washington. Proposed projects address nonpoint source water pollution control issues. Applications are accepted each year in the fall, projects are reviewed, rated, and ranked, with a draft list published for public comment and provided to the Legislature in January. The final list with project awards is issued by July, following legislative appropriation of funding. Costs include set up and modification of the applications in the agency's grant and loan system.

Growth Management impacts
None

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	150,000,000				30,000,000
	Total	**150,000,000**	**0**	**0**	**0**	**30,000,000**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State	30,000,000	30,000,000	30,000,000	30,000,000
	Total	**30,000,000**	**30,000,000**	**30,000,000**	**30,000,000**

Operating Impacts

No Operating Impact

Attachment A

Linkages to Puget Sound Action Agenda Implementation

This attachment provides additional supporting details for the following capital project request (CPR) as it relates to the Puget Sound 2022-2026 Action Agenda implementation.

CPR Title: 2025-27 Riparian Buffer Incentive Program

Vital Signs

- Freshwater
- Streams and Floodplains
- Toxics in Aquatic Life
- Estuaries
- Forests and Wetlands
- Birds
- Forage Fish
- Groundfish and Benthic Invertebrates
- Orcas
- Salmon
- Zooplankton
- Shellfish Beds
- Sound Stewardship

Strategies

- 2. Protect Working Lands
- 4. Riparian Areas
- 9. Source Identification and Correction
- 12. Working Lands Runoff
- 16. Eelgrass, Kelp, and Other Vegetation
- 19. GHG Reductions and Carbon Sequestration
- 20. Climate Adaptation and Resilience
- 25. Natural Resource Industries
- A. Funding

Targets - 675 acres of riparian buffer installed in Puget Sound agricultural areas

Desired Outcomes

- 1.1.1. Ecologically important lands (including beaches, estuaries, forests and wetlands, streams and floodplains) protected from development.
- 1.4.1. In-stream and riparian areas of rivers and streams restored.
- 1.4.2. Floodplains, tidal wetlands, and estuaries restored.
- 1.5.2 Infiltration and water holding capacity of upland areas (developed lands, agricultural lands and working forests, and natural lands) increased.
- 2.1.1 Toxic hotspots where stormwater runoff or wastewater contain significant concentrations of numerous toxic chemicals reduced through improved source control and/or treatment.

- 2.2.2 Nutrient loading in stormwater runoff from residential and commercial lands reduced.
- 2.2.3. Nutrient loading in runoff from agricultural lands and working forests reduced.
- 2.2.5 Sites that support natural nutrient attenuation restored, enhanced, or created.
- 2.3.4 Disease-causing (pathogenic) bacteria and viruses in stormwater runoff from residential and commercial lands reduced.
- 2.3.5. Disease-causing (pathogenic) bacteria and viruses in runoff from agricultural lands reduced.
- 2.3.6. Disease-causing (pathogenic) bacteria and viruses from recreational and outdoor activities reduced.
- 4.3.1 Increase the resilience of the Puget Sound ecosystem and recovery efforts by adapting to changing climate and ocean conditions when conducting protection and restoration activities.
- 5.2 Engagement in and trust of Puget Sound environmental and natural resource governance is increased.
- 5.4 Employment and production in natural resources sectors such as fisheries, aquaculture, agriculture, timber, ecosystem restoration, and tourism are made resilient.
- 5.5 Participation in outdoor recreational and stewardship activities is enhanced.
- 5.6.2 Levels and patterns of contaminants in drinking water do not threaten Puget Sound communities or vulnerable populations with adverse health outcomes.
- 5.6.3 Levels and patterns of contamination in fish and shellfish harvested from Puget Sound waters do not threaten the health of Puget Sound communities or vulnerable populations.
- 5.6.4 Levels and patterns of pollutants and biotoxins in surface waters do not threaten the health of Puget Sound communities or vulnerable populations.

Actions

- 1. Build Puget Sound-wide support to prevent conversion of forests, farms, and natural areas and increase funding for conservation incentives.
- 7. Expand and improve incentives and education for agricultural land users to motivate voluntary actions for reducing fecal pollution.
- 8. Strengthen and implement authorities and programs that prevent fecal pollution from agricultural lands.
- 10. Support watershed cleanup implementation and the development of cleanup plans such as Total Maximum Daily Loads (TMDLs) and other strategies to limit fecal pollution.
- 11. Establish and implement science-based riparian protection, restoration, and management policies that result in a minimum ‘1 Site Potential Tree Height’ forested riparian area standard.
- 12. Increase the number and accelerate implementation of habitat acquisition and restoration projects as prioritized in salmon and watershed recovery plans.
- 24. Implement habitat protection and restoration projects that restore or maintain natural nutrient attenuation functions and sediment processes in watersheds, estuaries, and tidal wetlands.
- 31. Encourage retrofits and restoration through education and incentives.
- 34. Increase and stabilize funding that supports actions, incentives, and local capacity to reduce nutrient loads.

- 35. Develop and implement education and outreach and behavior change campaigns and fund projects to reduce nutrient impacts from residential, stormwater, and agricultural runoff.
- 78. Engage with community groups, educational institutions, and communication specialists to develop and share relevant, trans-created, and accessible information on civic engagement and decision-making opportunities.
- 98. Increase funding for and promote multi-benefit solutions in restoration and protection project development to include considerations for job creation.
- 126. Build issue awareness and understanding to increase public support and engagement in recovery actions.
- 127. Build social and institutional infrastructure that supports stewardship behaviors and removes barriers.
- 128. Advance diversity, equity, inclusion, and environmental justice in Puget Sound recovery efforts.
- 159. Develop, fund, and promote culturally relevant projects and programs to encourage and incentivize behavior changes that will protect, restore, and enable responsible enjoyment and stewardship of Puget Sound.
- 161. Ecosystem recovery processes and decision making are inclusive of a broader set of committed stakeholders, including vulnerable populations and underserved communities, and diverse forms of knowledge.

Ongoing Program

- OGP_ECY36 Water Quality - Clean Up Polluted Waters - standards and water quality improvement plans (TMDLs)
- OGP_ECY37 Water Quality - Reduce Nonpoint Source Water Pollution
- OGP_ECY38 Water Quality - Provide Financial Assistance

Orca Task Force Recommendations

- 1. Significantly increase investment in restoration and acquisition of habitat in areas where Chinook stocks most benefit Southern Resident orcas.
- 34. Provide sustainable funding for implementation of all recommendations.
- 40. Better align existing nonpoint programs with nutrient reduction activities and explore new ways to achieve the necessary nonpoint source nutrient reductions.
- 48. Adopt and implement policies, incentives and regulations for future growth and development to prevent any further degradation of critical habitat and sensitive ecosystems; enable and channel population growth in ways that result in net ecological gain; evaluate and report outcomes for all jurisdictions at the state, county, tribal and municipal level.

2025-27 Biennial Budget HEAL Act Template

Background

HEAL Act requirements

The Healthy Environment for All Act (HEAL Act), Chapter 314, Laws of 2021 (RCW 70A.02) requires that "covered and opt in agencies" must implement the requirements of the HEAL Act. This includes the:

- Department of Ecology
- Department of Agriculture
- Department of Commerce
- Department of Health
- Department of Natural Resources
- Department of Transportation
- Puget Sound Partnership
- Office of the Attorney General

HEAL Act agencies that are considering a significant agency action initiated after July 1, 2023, are required to conduct an environmental justice assessment. RCW 70A.02.010(12) specifies that significant agency actions include:

- The development and adoption of significant legislative rules as defined in RCW 34.05.328.
- The development and adoption of any new grant or loan program that the agency is explicitly authorized or required by statute to implement.
- A capital project, grant, or loan award costing at least $12,000,000.
- A transportation project, grant, or loan costing at least $15,000,000.
- The submission of agency request legislation to the Office of the Governor or OFM.

Under RCW 70A.02.080, beginning on or before July 1, 2023, covered and opt in agencies must, where practicable, take specific actions when making expenditure decisions or developing budget requests to OFM and the Legislature for programs that address or may cause environmental harms or provide environmental benefits. This includes:

- Focus applicable expenditures on creating environmental benefits that are experienced by overburdened communities and vulnerable populations, including reducing or eliminating environmental harms, creating community and population resilience, and improving the quality of life of overburdened communities and vulnerable populations.
- Create opportunities for overburdened communities and vulnerable populations to meaningfully participate in agency expenditure decisions.
- Clearly articulate environmental justice goals and performance metrics to communicate the basis for agency expenditures.
- Establish a goal of directing 40% of grants and expenditures that create environmental benefits to vulnerable populations overburdened communities.

To help OFM understand how HEAL Act agency budget requests meet HEAL Act requirements, covered agencies are required to complete additional questions related to the HEAL Act. These questions are shown below and are in addition to the equity related questions required of all agencies. Covered agencies are asked to complete the following questions and submit them through ABS.

HEAL Act questions

If you answer YES to any of these bullet points, please answer the six additional questions and submit them as an attachment through ABS.

- Is this decision package part of an agency request legislation that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding to support another significant agency action that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding for a program/project/activity that may **provide environmental benefits or reduce, mitigate, or eliminate environmental harms**, (that is not a significant agency action)? Note: This may include decision packages for programs not purposely directed to provide environmental benefits but may have an indirect or unintentional impact.

  ☒ Yes

  ☐ No

If you answer YES to any of the above bullet points, please complete these additional questions.

1. Please describe specific likely or probable environmental harms and/or benefits related to your decision package and the associated health impacts to overburdened communities and vulnerable populations.

   There are no anticipate likely or probable environmental harms or negative health impacts related to this decision package. This proposal will provide multiple benefits to a wide range of priority issues, including improvement in climate resiliency resulting from increased functionality of riparian buffers which will improve stream health and reduce flooding potential in urban streams that can disproportionately impact low-income communities. Outcomes include improved watershed health and ecosystem recovery, improved local hydrology, reduced stream temperatures and improved stream flow. These environmental improvements will lead to improved environmental conditions for communities in those watersheds.

2. Please describe the estimated percentage and amount of the requested funds that will go towards creating environmental benefits in overburdened communities and vulnerable populations as defined in OFM's the OBC map or as determined by the agency. If applicable, please include your methodology for making this estimate, including project/award lists if available.

   We estimate that as least half (50%) of the funding from this proposal will result in implementation of stream restoration within overburdened community areas.

   Much of the riparian buffer implementation work that will result from this proposal will occur in watersheds located in areas identified as overburdened in OFMs OBC map.

3. Please describe any potential significant impacts to Indian Tribes' rights and interest in their tribal lands, as well as traditional practices.

   This request creates larger riparian buffers, restoration, and improved stream health and will directly benefit aquatic life and salmon habitat and salmon recovery efforts, which directly supports Tribal treaty reserved rights.

4. Describe how your agency engaged with Tribes in developing this proposal, including offers for tribal consultation including timelines, methods for feedback, and mechanisms for Tribes to express concern, opposition, or support., and any direction provided by Tribes through this engagement.

   Tribal consultation is integral to projects funded by the Water Quality Program. The emphasis of current Tribal consultation is on protecting cultural resources that may be potentially affected by projects, this process creates a priority connection between Ecology and Tribal governments on water quality project priorities and implementation. In addition, many Tribal governments regularly access and use water quality financial assistance in support of their priority projects to protect water quality, community health, and salmon recovery.

5. If the decision package is part of agency request legislation or supports another significant agency action that is required to complete an environmental justice assessment under RCW 70A.02.010(12), please submit the assessment as an attachment in ABS.

   This request does not require completing an environmental justice assessment, because the grant funds requested will be included as part of Ecology's existing Water Quality Combined Funding Program.

6. If the decision package is part of agency request legislation or constitutes a significant agency action that is required to complete an environmental justice assessment, please describe how your agency used the environmental justice assessment process to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits. If your agency determined that you were unable to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits, please provide a justification for not doing so.

   N/A

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OFM

461 - Department of Ecology
Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/6/2024 8:08AM

Project Number: **40000624**
Project Title: **2025-27 Freshwater Algae Grant Program**

Description

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 28

Project Summary

The Freshwater Algae Program provides financial and technical assistance to local and state governments, Tribes, and special purpose districts to prevent and control excessive freshwater cyanobacteria, often referred to as blue-green algae. These algae can create toxic conditions with potential harm to people, wildlife, livestock, and pets. This program includes elements for public education, technical assistance, a toxicity-testing program, and pass-through grants that address toxic freshwater blooms. An annual one-dollar license fee assessed to the owners of boats provides funding for pass-through grants that address algae growth in freshwaters of Washington. Related to Puget Sound Action Agenda Implementation. (Aquatic Algae Control Account)

Project Description

What is the proposed project?

Ecology requests $800,000 from the Aquatic Algae Control Account for the Freshwater Algae Program (FAP), which provides financial and technical assistance to local and state governments, Tribes, and special purpose districts to prevent and control excessive freshwater algae growth. In 2005, the Legislature established funding for the FAP (RCW 43.21A.667) through an annual one-dollar license fee assessed to boat owners. The program includes elements for public education, technical assistance, and grants.

Each year, Ecology accepts grant applications from eligible entities seeking financial assistance to prevent, remove, reduce, or manage excessive freshwater algae growth in waterbodies in our communities. Ecology evaluates grant applications according to criteria established in the funding guidelines and publishes the list of projects proposed for funding in late January/early February each year. The maximum aquatic algae grant is $50,000; Ecology issues about five grants each year, and grant recipients are not required to provide match.

Ecology distributes most of the funding as grants to communities for:

- Managing excessive freshwater harmful algal blooms, with priority for treating lakes where harmful blooms have occurred within the past three years.

- Nuisance algae monitoring and removal.

A small amount of funding goes toward technical assistance to applicants and the public about aquatic algae control.

Projects prevent or control excessive growth of freshwater algae in lakes, rivers, or streams and address the cause of the algal blooms. Excessive growth can cause long-term economic, environmental, and public health problems. Projects with potentially toxic cyanobacteria (blue-green algae) species receive funding priority over other projects because they can produce toxins that pose a threat to humans and animals.

What opportunity or problem is driving this request?

Cyanobacteria, often referred to as blue-green algae, are typically unicellular, aquatic, and photosynthetic. Generally, the amount of phosphorus controls the amount of cyanobacteria found in a freshwater lake or waterbody. Cyanobacteria colonies grow rapidly when they have adequate nutrients, sunlight, pH, and temperature and can form extensive blooms.

When cyanobacteria reproduce rapidly and reach high concentrations, it is called an algal bloom or cyanobacteria bloom. Algae are important to the productivity of a lake or waterbody, but excessive growth can cause economic, environmental, and

Project Number: 40000624
Project Title: 2025-27 Freshwater Algae Grant Program

Description

public health problems. The FAP focuses on blue-green algae as Ecology outlines in its 2024 Freshwater Algae Grant Funding Guidelines (Publication 21-10-021, September 2022: https://apps.ecology.wa.gov/publications/SummaryPages/2210021.html), because they can produce toxins that pose a threat to humans and animals.

RCW 43.21A.667 requires funding be provided as pass-through grants for financial and technical assistance to local and state governments, Tribes, and special purpose districts to manage excessive freshwater algae and provide technical assistance to applicants and the public about aquatic algae control.

The types of project activities eligible for funding include:

- Cyanobacteria control and management

- Lake Cyanobacteria Management Plans

- Cyanobacteria monitoring programs

- Cyanobacteria research

- Nutrient reduction activities

- Education and outreach

The application period begins mid-October and closes in mid-December each year. Ecology evaluates grant applications according to criteria established in the funding guidelines. Ecology publishes the list of projects proposed for funding in late January/early February each year.

The maximum freshwater algae control grant is $50,000. Ecology awards approximately five grants each year, and the grant recipients are not required to provide local match.

There is a corresponding request in the capital budget to add funding for the Freshwater Aquatic Invasive Plants Grant Program for $1.7 million, Freshwater Aquatic Weeds Account (fund 222-1). That separate but related request is focused on aquatic weeds vs. aquatic algae.

What are the specific benefits of this project?
Funded projects prevent or control excessive growth of freshwater algae in lakes, rivers, or streams and address the cause of the algal blooms. Excessive growth can cause long-term economic, environmental, and public health problems. Projects with potentially toxic blue-green species receive funding priority over other projects because they can produce toxins that pose a threat to humans and animals. Due to the potential public health concerns, these projects are coordinated with county public health officials.

What are the effects of non-funding?
If this request is not approved, projects would not get funding to help control excessive growth of freshwater algae in lakes, rivers, or streams. Algal blooms can cause long-term economic, environmental, and public health problems. Projects help protect water quality, fish and wildlife habitat, aquatic life, and community based beneficial uses, such as fishing, swimming, and boating.

Project Number: 40000624
Project Title: 2025-27 Freshwater Algae Grant Program

Description

Why is this the best option or alternative?
This request is for continuing support of the FAP to provide local and state governments, Tribes, and special purpose districts with financial and technical assistance to control excessive growth of algae and to manage the problems algal blooms cause.

How will clients be affected and services change if this project is funded?
If this request is approved, continued funding and project implementation will be made available to local and state governments, Tribes, and special purpose districts. Input from community partners has focused on the need for ongoing resources to support these programs because the frequency and intensity of algal blooms are increasing in Washington waters and are exacerbated by nutrient pollution and climate change.

Focus on Equity
Target Populations and Communities:
(a) This request benefits communities statewide where there are harmful algal blooms in lakes or streams. Financial assistance through the Freshwater Algae Program (FAP) is available and provided to local and state governments, Tribes, and special purpose districts through a competitive application process for addressing adverse impacts of toxic algae to water quality, public health, and fish populations.

(b) Resource-limited communities benefit through the project's design. Ecology removed the match requirement of this funding to address potential cost burdens to improve water quality for small, financially vulnerable communities.

Community Outreach and Engagement:
(a) The FAP staff at Ecology provide extensive outreach and technical assistance to support small, disadvantaged community and Tribal water quality project development and implementation. Ongoing guidance is provided through the Water Quality Program's Financial Assistance Council (FAC), which includes representatives from small communities and Tribes. Additional outreach is provided by the Water Quality Program's financial assistance team, which holds annual recipient and applicant workshops to discuss funding opportunities.

b) Ecology actively solicits feedback about the FAP using multiple methods and sources to reach potential local community applicants. Ecology invites community partners to weigh in on the funding program via surveys and quarterly meetings of the Financial Assistance Council.

FAP staff develop direct, ongoing relationships with local community staff and Tribes. In addition to ensuring successful project development and implementation, these relationships provide an ongoing opportunity for FAP staff to hear what is working and what is needed in the program.

Communities often report grant and project management as a major barrier to project implementation. FAP staff ensure early Tribal engagement and consultation for each project funded under the program and prioritize funding from applicants that integrate community and Tribal engagement in their project planning and prioritization process.

Disproportional Impact Considerations:
a) The FAP provides funding to communities to address the threat of harmful algal blooms that produce toxins and pose a threat to humans and animals in lakes, streams, and rivers and that adversely affect fish populations, reduce habitat for desirable aquatic plant and wildlife species, and decrease public recreational opportunities.

Project Number: 40000624
Project Title: 2025-27 Freshwater Algae Grant Program

Description

The potential health impacts from harmful algal blooms in small lake environments may subject these lake communities to shoulder a higher cost for improved health outcomes, water quality improvement, and access to these lake environments.

The program intent is to manage and prevent outbreaks of toxic algae in lakes, rivers, and streams. Smaller communities with less access to economic resources are impacted disproportionately by the effects of these blooms. This funding program provides resources that ensure the general population, small economically challenged lake communities, and Tribal properties have access to improved habitat for fish populations, public health, and recreation in lakes, streams, and rivers.

b) This grant program provides funds directly to Tribes to protect their rights and interests in their lands.

HEAL Act Agencies Supplemental Questions:
See attached.

What is the agency's proposed funding strategy for the project?
The Legislature established funding for the FAP through an annual one-dollar license fee assessed to boat owners. Ecology funds this grant program with revenue generated from this fee.

Funding for this project includes $20,000 to maintain and update the grant or loan applications in the agency systems.

Are FTEs required to support this project?
This request requires a total of 0.46 FTE to oversee and manage the grant process and provide technical assistance. This level of FTE is consistent with the 2023-25 biennium.

Please note these FTEs support both this new appropriation and other related reappropriation projects under this capital program.

How does the project support the agency and statewide results?
This request is essential to achieving the following Ecology goals:

Goal 1: Support and Engage our Communities, Customers, and Employees because it will improve the health of freshwater lakes in communities located in areas with considerable diversity, both culturally and economically, and provide social, environmental, and economic health equity for all who live, work, and play there.

Goal 2: Reduce and Prepare for Climate Impacts because it will restore the natural conditions that prevent toxic algae blooms and improve habitat for fish and other species in Washington's freshwater lakes, which increases their resilience to adapt to conditions caused by climate change.

Goal 3: Prevent and Reduce Waste, Toxic Threats, and Pollution because it will reduce toxic algae blooms that can make people, wildlife, pets, and livestock sick.

Goal 4: Protect and Manage our State's Waters because it will reduce aquatic invasive plant infestation and integrate restoration efforts that provide cool waters and healthy lakes that support fish and wildlife.

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Report Number: CBS002
Date Run: 8/6/2024 8:08AM

Project Number: 40000624
Project Title: 2025-27 Freshwater Algae Grant Program

Description

This request is essential to achieving the Governor's Results Washington Goal 3: Sustainable Energy and a Clean Environment and Goal 4: Healthy and Safe Communities because it will prevent and control excessive toxic algae blooms that impair fish and wildlife habitat and restrict recreational activities; restore natural habitat for fish and other native species in Washington's freshwaters; and improve waterbodies in communities for safe recreation.

Puget Sound Recovery
This request supports the 2022-2026 Puget Sound Action Agenda implementation through Ongoing Program OGP_ECY38 Water Quality - Provide Financial Assistance and through various Vital Signs, Strategies, Desired Outcomes, and Actions included in the Action Agenda. See attachment A for a complete list of linkages between this request and the agenda.

How will the other state programs or units of government be affected if this project is funded?
This request is coordinated with the Washington State Department of Health and local health jurisdictions. These groups, as well as local government community partners that receive this funding to address critical needs, will be supportive of the flexibility and efficiency provided by this request.

Location
City: Statewide **County:** Statewide **Legislative District:** 098

Project Type
Grants

Grant Recipient Organization: Grants are awarded competitively to public entities
RCW that establishes grant: RCW 43.21A.667
Application process used
The FAP runs on an annual funding cycle for projects. The application period begins mid-October and closes mid-December each year. Eligible entities include cities, counties, state agencies, Tribes, and special purpose districts. Ecology evaluates grant applications according to criteria established in the program guidelines. We publish the list of projects proposed for funding in late January/early February each year. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts
None

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	New Approps
10A-1	Aq Algae Cntrl Acct-State	2,800,000				800,000
	Total	**2,800,000**	**0**	**0**	**0**	**800,000**

		Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
10A-1	Aq Algae Cntrl Acct-State	500,000	500,000	500,000	500,000
	Total	**500,000**	**500,000**	**500,000**	**500,000**

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Project Number: 40000624
Project Title: 2025-27 Freshwater Algae Grant Program

Operating Impacts

No Operating Impact

Attachment A

Linkages to the Puget Sound Action Agenda

This attachment provides additional supporting details for the following capital project request (CPR) as it relates to the Puget Sound 2022-2026 Action Agenda implementation.

CPR Title: 2025-27 Freshwater Algae Grant Program

Vital Signs

- Freshwater
- Streams and Floodplains
- Toxics in Aquatic Life
- Outdoor Activity
- Economic Vitality
- Good Governance
- Sense of Place
- Sound Stewardship

Strategies

- 21. Sense of Place
- 22. Recreation and Stewardship
- 23. Transparent and Inclusive Governance
- 24. Cultural Practices
- 25. Natural Resource Industries
- 26. Human Health

Desired Outcomes

- 2.2.2. Nutrient loading in stormwater runoff from residential and commercial lands reduced.
- 2.2.3. Nutrient loading in runoff from agricultural lands and working forests reduced.
- 2.2.4. Significant anthropogenic sources of nutrients identified (using watershed monitoring and modeling tools) and reduced.
- 2.2.5. Sites that support natural nutrient attenuation restored, enhanced, or created.
- 3.2.1. Programmatic ability to respond to emerging outbreaks and ongoing impacts of invasive species increased.
- 4.3.1. Increase the resilience of the Puget Sound ecosystem and recovery efforts by adapting to changing climate and ocean conditions when conducting protection and restoration activities.
- 5.1.1. Opportunities for stress reduction and motivation from natural environments for diverse human communities are enhanced.
- 5.2.1. Decision making is made more inclusive by participation of a broader set of committed stakeholders and diverse forms of knowledge early in ecosystem recovery processes.
- 5.2.2. Capacity for overburdened communities to engage in environmental decision making is increased.
- 5.2.3. Transparency in environmental and natural resource management decision making and the use of science is improved.
- 5.3. Participation in environmentally related cultural practices and opportunities for

- harvesting of quality local foods are enhanced.
- 5.4. Employment and production in natural resources sectors such as fisheries, aquaculture, agriculture, timber, ecosystem restoration, and tourism are made resilient.
- 5.5. Participation in outdoor recreational and stewardship activities is enhanced.
- 5.6.2. Levels and patterns of contaminants in drinking water do not threaten Puget Sound communities or vulnerable populations with adverse health outcomes.
- 5.6.3. Levels and patterns of contamination in fish and shellfish harvested from Puget Sound waters do not threaten the health of Puget Sound communities or vulnerable populations.
- 5.6.4. Levels and patterns of pollutants and biotoxins in surface waters do not threaten the health of Puget Sound communities or vulnerable populations.

Actions

- 24. Implement habitat protection and restoration projects that restore or maintain natural nutrient attenuation functions and sediment processes in watersheds, estuaries, and tidal wetlands.
- 31. Encourage retrofits and restoration through education and incentives.
- 159. Develop and promote social approaches to encourage behavior changes that will protect, restore, and responsibly enjoy Puget Sound.
- 200. Limit people’s exposures to harmful water pollution.

Ongoing Program - OGP_ECY38 Water Quality - Provide Financial Assistance

2025-27 Biennial Budget HEAL Act Template

Background

HEAL Act requirements

The Healthy Environment for All Act (HEAL Act), Chapter 314, Laws of 2021 (RCW 70A.02) requires that "covered and opt in agencies" must implement the requirements of the HEAL Act. This includes the:

- Department of Ecology
- Department of Agriculture
- Department of Commerce
- Department of Health
- Department of Natural Resources
- Department of Transportation
- Puget Sound Partnership
- Office of the Attorney General

HEAL Act agencies that are considering a significant agency action initiated after July 1, 2023, are required to conduct an environmental justice assessment. RCW 70A.02.010(12) specifies that significant agency actions include:

- The development and adoption of significant legislative rules as defined in RCW 34.05.328.
- The development and adoption of any new grant or loan program that the agency is explicitly authorized or required by statute to implement.
- A capital project, grant, or loan award costing at least $12,000,000.
- A transportation project, grant, or loan costing at least $15,000,000.
- The submission of agency request legislation to the Office of the Governor or OFM.

Under RCW 70A.02.080, beginning on or before July 1, 2023, covered and opt in agencies must, where practicable, take specific actions when making expenditure decisions or developing budget requests to OFM and the Legislature for programs that address or may cause environmental harms or provide environmental benefits. This includes:

- Focus applicable expenditures on creating environmental benefits that are experienced by overburdened communities and vulnerable populations, including reducing or eliminating environmental harms, creating community and population resilience, and improving the quality of life of overburdened communities and vulnerable populations.
- Create opportunities for overburdened communities and vulnerable populations to meaningfully participate in agency expenditure decisions.
- Clearly articulate environmental justice goals and performance metrics to communicate the basis for agency expenditures.
- Establish a goal of directing 40% of grants and expenditures that create environmental benefits to vulnerable populations overburdened communities.

To help OFM understand how HEAL Act agency budget requests meet HEAL Act requirements, covered agencies are required to complete additional questions related to the HEAL Act. These questions are shown below and are in addition to the equity related questions required of all agencies. Covered agencies are asked to complete the following questions and submit them through ABS.

HEAL Act questions

If you answer YES to any of these bullet points, please answer the six additional questions and submit them as an attachment through ABS.

- Is this decision package part of an agency request legislation that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding to support another significant agency action that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding for a program/project/activity that may **provide environmental benefits or reduce, mitigate, or eliminate environmental harms**, (that is not a significant agency action)? Note: This may include decision packages for programs not purposely directed to provide environmental benefits but may have an indirect or unintentional impact.

  ☒ Yes

  ☐ No

If you answer YES to any of the above bullet points, please complete these additional questions.

1. Please describe specific likely or probable environmental harms and/or benefits related to your decision package and the associated health impacts to overburdened communities and vulnerable populations.

   The freshwater Algae Control financial assistance program (FACP) provides funding to communities to eliminate the threat of harmful algae blooms that produce toxins and pose a threat to humans and animals in lakes, streams, and rivers, and that adversely affects fish populations, reduces habitat for desirable aquatic plant and wildlife species, and decreases public recreational opportunities.

   The potential health impacts from harmful algal blooms in small lake environments may subject these lakes communities to shoulder a higher cost for improved health outcomes, water quality improvement, and access to these lake environments.

The program intent is to manage and prevent outbreaks of toxic algae in lakes. Smaller communities with less access to economic resources are impacted disproportionately to improve lake water quality and to manage lake health. This funding program provides resources that ensure the general population, small economically challenged lake communities, and Tribal properties have access to improved habitat for fish populations, public health, and access to recreation in lakes, streams, and rivers.

2. Please describe the estimated percentage and amount of the requested funds that will go towards creating environmental benefits in overburdened communities and vulnerable populations as defined in OFM's the OBC map or as determined by the agency. If applicable, please include your methodology for making this estimate, including project/award lists if available.
   Ecology anticipates approximately 45% of these requested funds go towards creating environmental benefits in overburdened communities through grant awards.
   Ecology has mapped grant awards in this program since 2017. Of the 22 awards mapped, ten were in overburdened communities as defined in OFM's overburdened communities' map. Given the consistency in program implementation, it's reasonable to anticipate a similar percent of awards to overburdened communities in the upcoming biennium.

3. Please describe any potential significant impacts to Indian Tribes' rights and interest in their tribal lands, as well as traditional practices.
   This grant program provides funds directly to Tribes to protect their rights and interests in their lands.

4. Describe how your agency engaged with Tribes in developing this proposal, including offers for tribal consultation including timelines, methods for feedback, and mechanisms for Tribes to express concern, opposition, or support., and any direction provided by Tribes through this engagement.
   Ecology actively solicits feedback about the FACP using multiple methods and sources to reach potential local community applicants. Ecology invites community partners to weigh in on the funding program via surveys and quarterly meetings of the Financial Assistance Council
   FACP staff develop direct on-going relationships with local community staff and tribes. In addition to ensuring successful project development and implementation, these relationships provide an on-going opportunity for FAP program staff to hear what is working and what is needed in the program. Communities often report grant and project management as a major barrier to project implementation. FACP program staff ensure early Tribal engagement and consultation for each project funded under the program and prioritize funding from applicants that integrate community and Tribal engagement in their project planning and prioritization process.

5. If the decision package is part of agency request legislation or supports another significant agency action that is required to complete an environmental justice assessment under RCW 70A.02.010(12), please submit the assessment as an attachment in ABS.

   N/A

6. If the decision package is part of agency request legislation or constitutes a significant agency action that is required to complete an environmental justice assessment, please describe how your agency used the environmental justice assessment process to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits. If your agency determined that you were unable to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits, please provide a justification for not doing so.

   N/A

OFM

461 - Department of Ecology
Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/5/2024 5:34PM

Project Number: **40000623**
Project Title: **2025-27 Freshwater Aquatic Invasive Plants Grant Program**

Description

Starting Fiscal Year: 2026
Project Class: Grant
Agency Priority: 29

Project Summary

The Freshwater Aquatic Invasive Plant Program (AIP) provides financial and technical assistance to local and state governments, Tribes, and special purpose districts to reduce the propagation of freshwater aquatic invasive plants and to manage the problems these plants cause. Ecology is requesting $1.7 million for continued funding of the AIP, which will result in treating more lakes and reducing the impact of these plants on the lakes and streams in our communities. It includes elements for public education, technical assistance, and grants. Related to Puget Sound Action Agenda Implementation. (Freshwater Aquatic Weeds Account)

Project Description

What is the proposed project?

Ecology is requesting $1.7 million to continue funding the Freshwater Aquatic Invasive Plants Program (AIP). Invasive, non-native aquatic plants are a serious threat to the health of lakes, rivers, and streams in Washington. Excessive invasive plant growth impairs fish and wildlife habitat and restricts recreational activities. In 1991, the Legislature established the Freshwater Aquatic Weeds Management Program and Account to provide financial and technical support to tackle the problem on a statewide level. The account provides funding for technical assistance, public education, and grants to help control aquatic invasive plants.

Funding for the program is through a three-dollar fee on the annual registration of boat trailers, which can spread these invasive aquatic weeds as boats and trailers enter multiple waterbodies. Per RCW 43.21A.660, at least two-thirds of the funding must be provided as pass-through grants for financial and technical assistance to local and state governments, Tribes, and special purpose districts to reduce the propagation of freshwater aquatic invasive plants and to manage the problems these plants cause. Ecology can use the remaining funding to support technical assistance and public education in the program.

Each year, Ecology accepts grant applications from eligible entities seeking financial assistance to reduce aquatic invasive plants impacting the lakes and streams in their communities. Ecology evaluates grant applications according to criteria established in the funding guidelines and publishes the list of projects proposed for funding in late January/early February each year.

The types of projects eligible for funding include:

- Planning grants to develop an Integrated Aquatic Invasive Plant Management Plan that considers all aquatic invasive plant management options and chooses one or a combination of options for implementation. These grants are limited to $30,000 each.

- Aquatic invasive plant control and/or education projects to prevent, eradicate, contain, or control excessive growth of freshwater invasive plants in lakes, rivers, or streams (with priority given to submersed species like Eurasian watermilfoil). These grants are limited to $75,000 each.

- Early infestation projects to control invasive, non-native, freshwater, aquatic plants discovered in the pioneer stages of growth in a lake, river, or stream. These grants are limited to $50,000 each.

Local match is not required for any of these grant projects.

There is a corresponding request in the capital budget to add funding for the Freshwater Algae Grant Program for $800,000,

Description

Aquatic Algae Control Account (fund 10A). That separate but related request is focused on aquatic algae vs. aquatic weeds.

Ecology administers each pass-through grant during its 24-month award period. We act as the liaison between USFWS and public or non-profit sub-recipients.

What opportunity or problem is driving this request?
Freshwater aquatic invasive plants are aquatic plants found in lakes, rivers, or streams that are adversely affecting fish populations, reducing habitat for desirable aquatic plant and wildlife species, and decreasing public recreational opportunities. The revenue collected from the boat trailer registration fee provides funding for pass-through grants that address invasive plant control and abatement. Ecology provides grants for the following:

- Activities to prevent, reduce, or manage excessive growth of freshwater, aquatic invasive plants.

- Development of public education programs related to managing freshwater aquatic invasive plants.

- Demonstration or pilot projects (applied research), determined on a case-by-case basis through the competitive program submission.

RCW 43.21A.660 requires at least two-thirds of the funding for this program must be provided as pass-through grants for financial and technical assistance to local and state governments, Tribes, and special purpose districts to reduce the propagation of freshwater aquatic invasive plants and to manage the problems these invasive plants cause. No more than one-third of the funding can be used to support technical assistance and public education to prevent the spread of freshwater aquatic weeds.

What are the specific benefits of this project?
Funded projects prevent and control aquatic invasive plant infestations in lakes, rivers, or streams. Aquatic invasive species can cause long-term economic, environmental, and aquatic habitat problems. Projects help protect water quality, fish and wildlife habitat, aquatic life, and community-based beneficial uses such as fishing, swimming, and boating.

What are the effects of non-funding?
If this request is not approved, projects that help prevent and control aquatic invasive plant infestations in lakes, rivers, or streams would not be funded. This could result in long-term economic, environmental, and aquatic habitat problems.

Projects help protect water quality, fish and wildlife habitat, aquatic life, and community based beneficial uses such as fishing, swimming, and boating.

Why is this the best option or alternative?
This request is for continuing support of the AIP to provide local and state governments, Tribes, and special purpose districts with financial and technical assistance to reduce the propagation of freshwater aquatic invasive plants and to manage the problems these invasive plants cause.

How will clients be affected and services change if this project is funded?
If this request is approved, continued funding and project implementation will be available to local and state governments,

Description

Tribes, and special purpose districts. Input from community partners has been focused on the need for ongoing resources to support this program, because the frequency and intensity of invasive, non-native aquatic plant infestations in Washington waters are increasing.

Focus on Equity
Target Populations and Communities:
This request benefits communities statewide where there are invasive plant problems in lakes, rivers, or streams or where an early infestation can be addressed to prevent impacts. Financial assistance through the Freshwater Aquatic Invasive Plants Program (AIP) is available and provided to state agencies, counties, cities, special purpose districts, and Tribes through a competitive application process for addressing adverse impacts of invasive plants to water quality, public health, and fish populations.

Resource-limited communities benefit through the project's design. Ecology removed the match requirement of this funding to address potential cost burdens to improve water quality for small, financially vulnerable communities.

Community Outreach and Engagement:
The Aquatic Invasive Plants Program (AIP) staff at Ecology provide extensive outreach and technical assistance to support small, disadvantaged community and Tribal water quality project development and implementation. Ongoing guidance is provided through the Water Quality Program's Financial Assistance Council (FAC), which includes representatives from small communities and Tribes. Additional outreach is provided by the Water Quality Program's financial assistance team, which holds annual recipient and applicant workshops to discuss funding opportunities.

Ecology actively solicits feedback about the AIP using multiple methods and sources to reach potential local community applicants. Ecology invites community partners to weigh in on the funding program via surveys and quarterly meetings of the Financial Assistance Council.

AIP staff develop direct ongoing relationships with local community staff and Tribes. In addition to ensuring successful project development and implementation, these relationships provide an ongoing opportunity for AIP staff to hear what is working and what is needed in the program. Communities often report grant and project management as a major barrier to project implementation. AIP staff ensure early Tribal engagement and consultation for each project funded under the program and prioritize funding from applicants that integrate community and Tribal engagement in their project planning and prioritization process.

Disproportional Impact Considerations:
A freshwater aquatic invasive plant is any submersed, partially submersed, or floating-leaved aquatic plant in a lake, river, or stream that adversely affects fish populations, reduces habitat for desirable aquatic plant and wildlife species, and decreases public recreational opportunities.

The potential health impacts from aquatic invasives in small lake environments may subject these communities to shoulder a higher cost for improved health outcomes, water quality improvement, and access to these lake environments.

The AIP intent is to eradicate and prevent the spread of aquatic invasive plants. Smaller communities with less access to economic resources are impacted disproportionately by the effects of these invasive plants. This funding program provides resources that ensure the general population, small economically challenged lake communities, and Tribal properties have access to improved habitat for fish populations, public health, and recreation in lakes, streams, and rivers.

This grant program provides funds directly to Tribes to protect their rights and interests in their lands.

Project Number: 40000623
Project Title: 2025-27 Freshwater Aquatic Invasive Plants Grant Program

Description

HEAL Act Agencies Supplemental Questions:
See attached.

What is the agency's proposed funding strategy for the project?
The Legislature established the Freshwater Aquatic Weeds Management Program and Account to provide funding for technical assistance, public education, and grants to help control aquatic invasive plants. Funding for the program is through a three-dollar fee on the annual registration of boat trailers, which are the biggest transmitter of aquatic invasive species.

Funding for this project includes $20,000 to maintain and update the grant or loan applications in the agency systems.

Are FTEs required to support this project?
This request requires a total of 1.96 FTEs as follows: 0.6 FTE Environmental Specialist 4 and 0.1 FTE Environmental Specialist 5 are required to oversee and manage the grant process and provide technical assistance.1.0 FTE Natural Resource Scientist 3 is required to conduct inventories of aquatic plants species statewide and perform follow-up inventories of Ecology grant-funded aquatic weed control projects to determine effectiveness. This level of FTE is consistent with the 2023-25 biennium.

Please note, these FTEs support both this new appropriation and other related reappropriation projects under this capital program.

How does the project support the agency and statewide results?
This request is essential to achieving the following Ecology goals:

Goal 1: Support and Engage our Communities, Customers, and Employees because it will improve the health of freshwater lakes in communities located in areas with considerable diversity, both culturally and economically, and provide social, environmental, and economic health equity for all those who live, work, and play there.

Goal 2: Reduce and Prepare for Climate Impacts because it will restore the natural conditions that prevent invasive aquatic weeds and improve habitat for fish and other species in Washington's freshwater lakes, which increases their resilience to adapt to conditions caused by climate change.

Goal 4: Protect and Manage our State's Waters because it will reduce and prevent invasive aquatic weeds and integrate restoration efforts that provide cool waters and healthy lakes that support fish and wildlife.

This request is essential to achieving the Governor's Results Washington Goal 3: Sustainable Energy and a Clean Environment and Goal 4: Healthy and Safe Communities because it will reduce invasive, non-native aquatic plants that impair fish and wildlife habitat and restrict recreational activities; restore the natural habitat for fish and other native species in Washington's freshwaters; and improve waterbodies in communities for safe recreation.

Puget Sound recovery
This request supports the 2022-2026 Puget Sound Action Agenda implementation through Ongoing Program OGP_ECY38 Water Quality - Provide Financial Assistance, and through various Vital Signs, Strategies, Desired Outcomes, and Actions included in the Action Agenda. See attachment A for a complete list of linkages between this request and the agenda.

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/5/2024 5:34PM

Project Number: 40000623
Project Title: 2025-27 Freshwater Aquatic Invasive Plants Grant Program

Description

How will the other state programs or units of government be affected if this project is funded?
This program is coordinated with the Washington Invasive Species Council (WISC), Washington Department of Fish and Wildlife, and local noxious weed control boards throughout the state. These groups, as well as local government community partners that receive this funding to address aquatic invasive infestations, will be supportive of the flexibility and efficiency provided by this request.

Location
City: Statewide **County:** Statewide **Legislative District:** 098

Project Type
Grants

Grant Recipient Organization: Grants are awarded competitively to public entities.
RCW that establishes grant: RCW 43.21A.660
Application process used
The Freshwater Aquatic Invasive Plants Program runs on an annual funding cycle for projects. The application period begins mid-October and closes mid-November of each year. Eligible entities include cities, counties, state agencies, Tribes, and special purpose districts. Ecology evaluates grant applications according to criteria established in the program guidelines. We publish the list of projects proposed for funding in late January/early February each year. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts
N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
222-1	Freshwtr Aqua Weeds-State	6,500,000				1,700,000
	Total	**6,500,000**	**0**	**0**	**0**	**1,700,000**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
222-1	Freshwtr Aqua Weeds-State	1,200,000	1,200,000	1,200,000	1,200,000
	Total	**1,200,000**	**1,200,000**	**1,200,000**	**1,200,000**

Operating Impacts

No Operating Impact

Attachment A

Linkages to the Puget Sound Action Agenda

This attachment provides additional supporting details for the following capital project request (CPR) as it relates to the Puget Sound 2022-2026 Action Agenda implementation.

CPR Title: 2025-27 Freshwater Aquatic Invasive Plants Grant Program

Vital Signs

- Freshwater
- Marine Water
- Streams and Floodplains
- Toxics in Aquatic Life
- Beaches and Marine Vegetation
- Estuaries
- Orcas
- Salmon
- Zooplankton
- Air Quality
- Economic Vitality
- Good Governance
- Sense of Place
- Sound Stewardship

Strategies

- 5. Floodplains and Estuaries
- 14. Invasive Species
- 17. Responsible Boating
- 21. Sense of Place
- 22. Recreation and Stewardship
- 23. Transparent and Inclusive Governance
- 24. Cultural Practices
- 25. Natural Resource Industries
- 26. Human Health

Desired Outcomes

- 2.2.2. Nutrient loading in stormwater runoff from residential and commercial lands reduced.
- 2.2.3. Nutrient loading in runoff from agricultural lands and working forests reduced.
- 2.2.4. Significant anthropogenic sources of nutrients identified (using watershed monitoring and modeling tools) and reduced.
- 2.2.5. Sites that support natural nutrient attenuation restored, enhanced, or created.
- 3.2.1. Programmatic ability to respond to emerging outbreaks and ongoing impacts of invasive species increased.
- 4.3.1. Increase the resilience of the Puget Sound ecosystem and recovery efforts by adapting to changing climate and ocean conditions when conducting protection and restoration activities.
- 5.1.1. Opportunities for stress reduction and motivation from natural environments for diverse human communities are enhanced.
- 5.2.1. Decision making is made more inclusive by participation of a broader set of committed stakeholders and diverse forms of knowledge early in ecosystem recovery processes.
- 5.2.2. Capacity for overburdened communities to engage in environmental decision making is increased.
- 5.2.3. Transparency in environmental and natural resource management decision making and the use of science is improved.
- 5.3. Participation in environmentally related cultural practices and opportunities for harvesting of quality local foods are enhanced.
- 5.4. Employment and production in natural resources sectors such as fisheries, aquaculture, agriculture, timber, ecosystem restoration, and tourism are made resilient.
- 5.5. Participation in outdoor recreational and stewardship activities is enhanced.
- 5.6.2. Levels and patterns of contaminants in drinking water do not threaten Puget Sound communities or vulnerable populations with adverse health outcomes.
- 5.6.3. Levels and patterns of contamination in fish and shellfish harvested from Puget Sound waters do not threaten the health of Puget Sound communities or vulnerable populations.
- 5.6.4. Levels and patterns of pollutants and biotoxins in surface waters do not threaten the health of Puget Sound communities or vulnerable populations.

Actions

- 46. Prevent and rapidly respond to the introduction and spread of terrestrial and aquatic invasive species, including green crab, predatory fish, and invasive plants.
- 202. Develop, fund, and implement coordinated outreach and incentive programs that educate and raise awareness and motivate action for Puget Sound residents (including boaters) to reduce the spread of invasive species.
- 203. Create an integrated planning approach to protect and enhance biodiversity in the Puget Sound ecosystem by mitigating the threat of invasive species.

Ongoing Program - OGP_ECY38 Water Quality - Provide Financial Assistance

2025-27 Biennial Budget HEAL Act Template

Background

HEAL Act requirements

The Healthy Environment for All Act (HEAL Act), Chapter 314, Laws of 2021 (RCW 70A.02) requires that "covered and opt in agencies" must implement the requirements of the HEAL Act. This includes the:

- Department of Ecology
- Department of Agriculture
- Department of Commerce
- Department of Health
- Department of Natural Resources
- Department of Transportation
- Puget Sound Partnership
- Office of the Attorney General

HEAL Act agencies that are considering a significant agency action initiated after July 1, 2023, are required to conduct an environmental justice assessment. RCW 70A.02.010(12) specifies that significant agency actions include:

- The development and adoption of significant legislative rules as defined in RCW 34.05.328.
- The development and adoption of any new grant or loan program that the agency is explicitly authorized or required by statute to implement.
- A capital project, grant, or loan award costing at least $12,000,000.
- A transportation project, grant, or loan costing at least $15,000,000.
- The submission of agency request legislation to the Office of the Governor or OFM.

Under RCW 70A.02.080, beginning on or before July 1, 2023, covered and opt in agencies must, where practicable, take specific actions when making expenditure decisions or developing budget requests to OFM and the Legislature for programs that address or may cause environmental harms or provide environmental benefits. This includes:

- Focus applicable expenditures on creating environmental benefits that are experienced by overburdened communities and vulnerable populations, including reducing or eliminating environmental harms, creating community and population resilience, and improving the quality of life of overburdened communities and vulnerable populations.
- Create opportunities for overburdened communities and vulnerable populations to meaningfully participate in agency expenditure decisions.
- Clearly articulate environmental justice goals and performance metrics to communicate the basis for agency expenditures.
- Establish a goal of directing 40% of grants and expenditures that create environmental benefits to vulnerable populations overburdened communities.

To help OFM understand how HEAL Act agency budget requests meet HEAL Act requirements, covered agencies are required to complete additional questions related to the HEAL Act. These questions are shown below and are in addition to the equity related questions required of all agencies. Covered agencies are asked to complete the following questions and submit them through ABS.

HEAL Act questions

If you answer YES to any of these bullet points, please answer the six additional questions and submit them as an attachment through ABS.

- Is this decision package part of an agency request legislation that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding to support another significant agency action that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding for a program/project/activity that may **provide environmental benefits or reduce, mitigate, or eliminate environmental harms**, (that is not a significant agency action)? Note: This may include decision packages for programs not purposely directed to provide environmental benefits but may have an indirect or unintentional impact.

  ☒ Yes

  ☐ No

If you answer YES to any of the above bullet points, please complete these additional questions.

1. Please describe specific likely or probable environmental harms and/or benefits related to your decision package and the associated health impacts to overburdened communities and vulnerable populations.

   A freshwater aquatic invasive plant is any submersed, partially submersed, or floating-leaved aquatic plant in a lake, river, or stream that adversely affects fish populations, reduces habitat for desirable aquatic plant and wildlife species, and decreases public recreational opportunities.

   The potential health impacts from aquatic invasives in small lake environments may subject these lakes communities to shoulder a higher cost for improved health outcomes, water quality improvement, and access to these lake environments.

The program intent is to eradicate and prevent the spread of aquatic invasive plants. Smaller communities with less access to economic resources are impacted disproportionately to improve lake water quality and to stop the spread of invasive plants. This funding program provides resources that ensure the general population, small economically challenged lake communities, and Tribal properties have access to improved habitat for fish populations, public health, and access to recreation in lakes, streams and rivers.

2. Please describe the estimated percentage and amount of the requested funds that will go towards creating environmental benefits in overburdened communities and vulnerable populations as defined in OFM's the OBC map or as determined by the agency. If applicable, please include your methodology for making this estimate, including project/award lists if available.
   Ecology anticipates approximately 33% of these requested funds go towards creating environmental benefits in overburdened communities through grant awards.
   Of 29 awards mapped since 2020, 13 were in overburdened communities as defined in OFM's overburdened communities' map. Given the consistency in program implementation, it's reasonable to anticipate a similar percent of awards to overburdened communities in the upcoming biennium.

3. Please describe any potential significant impacts to Indian Tribes' rights and interest in their tribal lands, as well as traditional practices.
   This grant program provides funds directly to Tribes to protect their rights and interests in their lands.

4. Describe how your agency engaged with Tribes in developing this proposal, including offers for tribal consultation including timelines, methods for feedback, and mechanisms for Tribes to express concern, opposition, or support., and any direction provided by Tribes through this engagement.
   Ecology actively solicits feedback about the AIP using multiple methods and sources to reach potential local community applicants. Ecology invites community partners to weigh in on the funding program via surveys and quarterly meetings of the Financial Assistance Council
   AIP staff develop direct on-going relationships with local community staff and Tribes. In addition to ensuring successful project development and implementation, these relationships provide an on-going opportunity for AIP program staff to hear what is working and what is needed in the program.
   Communities often report grant and project management as a major barrier to project implementation. AIP program staff ensure early Tribal engagement and consultation for each project funded under the program and prioritize funding from applicants that integrate community and Tribal engagement in their project planning and prioritization process.

5. If the decision package is part of agency request legislation or supports another significant agency action that is required to complete an environmental justice assessment under RCW 70A.02.010(12), please submit the assessment as an attachment in ABS.

   N/A

6. If the decision package is part of agency request legislation or constitutes a significant agency action that is required to complete an environmental justice assessment, please describe how your agency used the environmental justice assessment process to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits. If your agency determined that you were unable to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits, please provide a justification for not doing so.

   N/A

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461 - Department of Ecology
Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/29/2024 3:35PM

Project Number: **40000622**
Project Title: **2025-27 Coastal Wetlands Federal Funds**

Description

Starting Fiscal Year: 2026
Project Class: Grant - Pass Through
Agency Priority: 32

Project Summary

The National Coastal Wetlands Conservation grant program, administered by the U.S. Fish and Wildlife Service, provides financing to protect important coastal and estuarine areas that have significant conservation, recreation, or ecological value. Coastal wetlands make up less than 10% of the nation's land area but support a wealth of plant and animal resources. Washington's coastal areas support a high percentage of threatened and endangered species, fishery resources, migratory songbirds, and migrating and wintering waterfowl. Ecology administers the pass through of these federal grants to other state agencies, Tribal, and local government entities. Ecology requests $10 million in federal capital appropriation authority for the 2025-27 biennium in case we are successful in receiving additional grants. This request is directly related to implementing the Governor's Salmon Strategy and to Puget Sound Action Agenda Implementation. (General Fund-Federal)

Project Description

What is the proposed project?

Ecology is requesting $10 million in General Fund-Federal appropriation authority for a federal grant program that funds acquisition and restoration of coastal and estuarine wetlands and associated lands. Because the federal grant program is competitive, and application award cycles are annual, Ecology does not yet know if we will receive any funds or what lands in coastal Washington might be acquired during the 2025-27 biennium. We will not know until applications are submitted and grants awarded. This request depends on our success competing for federal National Coastal Wetlands Conservation grants.

The U.S. Fish and Wildlife Service (USFWS) oversees the competitive National Coastal Wetlands Conservation grant program. Coastal states, Great Lakes states, and U.S. territories are eligible to apply for funds. Sub-recipients, such as land trusts and local and Tribal governments, can hold the acquired land or perform the restoration. Funding nationwide is about $20 million per year. In Washington, the state departments of Ecology, Fish and Wildlife, Natural Resources, and Washington State Parks are eligible to apply for the conservation grants. Local and Tribal governments and public benefit non-profit entities such as land trusts can only apply for funding through Ecology or another state agency. The maximum federal grant award for a specific project is $1 million, and a 25% minimum non-federal match is required.

This placeholder appropriation request is based on our experience during the last five biennia, rather than specific funded projects, because we do not yet know the specific amount or timing of match that may be needed. In the past, Ecology has been highly successful in obtaining these restoration and preservation grants:

- 2005-07 biennium: $2.4 million received

- 2007-09 biennium: $6.9 million received

- 2009-11 biennium: $8.5 million received

- 2011-13 biennium: $8.7 million received

- 2013-15 biennium: $9.8 million received

- 2015-17 biennium: $10 million received

- 2017-19 biennium: $9.5 million received

Project Number: 40000622
Project Title: 2025-27 Coastal Wetlands Federal Funds

Description

- 2019-21 biennium: $6.6 million received

- 2021-23 biennium: $9.1 million received

In fiscal year 2024, we secured $5 million in grant funding for five coastal wetland restoration projects. During the last 30 years, we have secured about $87 million in federal grants, plus $60 million in state-local match. This has conserved nearly 16,000 acres of coastal wetlands and shorelines in Western Washington.

To be competitive, projects need to contain more than 50% of total acreage in “nationally declining wetland types,” such as:

- Wetlands in drainage basins of estuaries or coastal waters that contain saline, brackish, and nearshore waters.

- Adjacent freshwater and intermediate wetlands.

- River mouths and portions of major river systems affected by tidal influence.

- Shorelands, dunes, nearshore islands, barrier islands, and freshwater wetlands within estuarine drainages.

In January of even numbered years, Ecology staff begin contacting state and federal agencies, local and Tribal governments, and non-governmental organizations to discuss potential grant projects. Our lead is a member of the state’s Natural Heritage Advisory Council and Habitat and Recreation Lands Coordinating Group and attends Pacific Birds Habitat Joint Venture meetings – all venues for reaching potential grant applicants. Ecology also posts grant availability notices on our website.

In March, Ecology staff and U.S. Fish and Wildlife Service (USFWS) biologists typically visit each potential project site to talk with applicants about their projects; what they hope to accomplish, where they will get matching funds, and to let them know if their projects will be competitive at the national level. USFWS staff also give applicants tips for how to strengthen their applications.

Ecology then reviews draft grant applications and sends them to the USFWS’ regional office in Portland at the end of May each year. The Portland office sends the drafts to regional USFWS biologists for their comments. This early collaboration has been the essential reason why Washington has received so many National Coastal Wetland Conservation grants. When we receive biologists’ comments in June, applicants revise their applications, and Ecology submits the completed applications to USFWS by the end of June.

In the fall, USFWS biologists gather to rank each grant application from across the country and U.S. territories. Rankings are based on a prescribed set of criteria that are awarded points, and each point matters in final funding decisions. In December, the U.S. Secretary of the Interior releases the ranked list of funded applications.

Ecology administers each pass-through grant during its 24-month award period. We act as the liaison between USFWS and public or non-profit sub-recipients.

What opportunity or problem is driving this request?
Numerous studies and programs in recent years have documented a steady decline in the health of Puget Sound. The Puget Sound Partnership’s “State of the Sound Report 2023” (https://stateofthesound.wa.gov/) found an overall decrease in water quality, habitat, and species. These challenges, coupled with increased risks due to climate change, demonstrate the Puget Sound basin is at great environmental risk. The Partnership’s 2022-26 Action Agenda identified habitat loss as a major threat to salmon and other species. The State of the Sound report notes that 61% of estuary wetlands are completely disconnected

Description

from tidal inundation, and 34% of feeder bluffs in Puget Sound are armored. Permanently protecting shoreline properties is one way to protect habitat for salmon and Puget Sound.

Coastal wetlands provide habitat for much of the state's wildlife. According to the Puget Sound Nearshore Ecosystem Restoration Project, nine of 10 species listed as endangered or threatened inhabit our nearshore areas and wetlands. All five salmon species spend much of their life in the nearshore environment. Protecting and restoring coastal habitats reduces nutrients and pathogens from upland sources. Coastal wetland habitats also provide buffers for storms and sea level rise and ensure shorelines function in a natural manner.

What are the specific benefits of this project?
The environmental benefits of funding this request include mitigating the impacts of sea level rise, protecting water quality, conserving salmon habitat, and protecting and improving habitat for other native fish and wildlife species in Puget Sound and marine shorelines along the Pacific Ocean coast.

These acquisition and restoration projects benefit local and Tribal governments and non-governmental organizations (NGOs) working to protect salmon habitat throughout Western Washington, especially Puget Sound. Our local partners often lack the funding to restore aquatic species habitat without this federal grant funding. This program benefits communities by increasing public access to shoreline areas and preserving cultural resources.

These acquisition and restoration projects contribute to community well-being. The State of the Sound Report 2023 noted that survey respondents, on average, “somewhat agree” that they identify with and feel positively attached to Puget Sound. This score is consistent with participants’ responses in 2018 and 2020. Most people go to the shore for nature and natural beauty. Visiting natural places like shorelines can enhance people’s sense of wellbeing and reduce stress. In the same report, their survey found that, “Survey respondents experience inspiration or stress reduction from the outdoors “regularly,” or almost once a week.” This grant program is important because, as our population grows in Puget Sound and other coastal areas, future generations will have the opportunity to access natural shoreline areas.

What are the effects of non-funding?
Coastal wetlands are a limited resource, competing with residential, commercial, and industrial uses. As a result, these areas are disappearing at an alarming rate. If the funds are not available to protect coastal wetlands, the health of Puget Sound and coastal Washington would continue to decline.

Projected population growth, especially in Puget Sound, would put more pressure on an already scarce resource, and demands for more shoreline access and recreational opportunities would increase. The adverse effects of increasing residential and commercial development on the shoreline would be magnified.

Permanently conserving these natural resources protects them forever and helps protect water quality, lower flood risks, improve habitat, and provide natural shoreline access to the public.

Not funding this request would make Ecology's priority to protect Puget Sound and coastal wetlands more difficult and expensive. Some losses would likely never be regained. Future generations would have fewer opportunities for recreational activities on Puget Sound and the state’s coastal shorelines. Tribes would have fewer opportunities to access culturally significant areas and resources.

Project Number: 40000622
Project Title: 2025-27 Coastal Wetlands Federal Funds

Description

Why is this the best option or alternative?
The only alternative to federal funding would be to request funding from the State Building Construction Account (SBCA). Ecology does not plan to request SBCA funds for these acquisitions, because these federal funds are from a dedicated federal program available only for wetland acquisitions, which helps further leverage the use of state funds for other purposes.

How will clients be affected and services change if this project is funded?
Ecology does not have a dedicated state funding source for land conservation, but we have been successful over the last 32 years in getting funding through the USFWS National Coastal Wetlands Conservation grant program. State agencies currently could acquire and restore lands with funding through the state Recreation and Conservation Office (RCO). RCO funding can be used to meet the 25% match requirement under the National Coastal Wetland Conservation grant program.

The other Washington resource agencies that participate in this federal grant program do not allow NGOs, local governments, and Tribes to apply through them for these federal funds. Ecology has built a reputation as a reliable partner for these groups, allowing them access to an important source of federal funding. This funding has helped build on the relationships Ecology has been fostering with local land trusts and other statewide habitat conservation partners.

Focus on Equity
Target Populations and Communities:
The conservation projects funded with the National Coastal Wetlands Conservation grants are often in rural or Tribal coastal communities where high-quality habitat remains available for acquisition or restoration. It is difficult to project the equity benefits of the program because we do not know what lands in coastal Washington might be acquired during the 2025-27 biennium. However, consistent with Ecology's longstanding commitment to environmental justice and Tribal engagement, we will continue to reach out to Tribes directly to inform them of grant opportunities and assistance in developing and submitting a proposal.

Community Outreach and Engagement:
Engagement with Tribal communities in Western Washington is a critical element of this program, and Ecology will actively seek opportunities to partner with Tribes on eligible projects. In January of each year, staff reach out to Tribes to see if any are interested in submitting a proposal. If they are interested in submitting one, we work with that Tribe to submit their application for consideration. Once the grant has been received, we work with the Tribe to ensure that the grant funds are expended consistent with the grant agreement.

Disproportional Impact Considerations:
Because we do not know what projects will be funded in the 2025-27 biennium, we cannot determine where there may be disproportional impacts from this request. Funded projects will involve protection and/or restoration of wetlands so the benefits wetlands provide will be available for communities around the acquired site and Tribal communities that may use the sites as part of their Tribal treaty rights.

The protection and restoration of wetlands will provide and maintain benefits to the communities such as flood attenuation, mitigating sea level rise, improved habitat for salmon, and other resources used by Tribal communities. The ability to access fresh traditional food sources could provide cultural and health benefits to Tribal members.

Many previously awarded projects were located in low-income, overburdened or tribal communities. We expect future projects to also be located in such areas.

Project Number: 40000622
Project Title: 2025-27 Coastal Wetlands Federal Funds

Description

HEAL Act Agencies Supplemental Questions:
See attached.

What is the agency's proposed funding strategy for the project?
Proposed acquisition and restoration projects are wholly dependent on funding through federal grants. If Ecology does not receive grants, the projects cannot go forward.

Are FTEs required to support this project?
This project requires a total of 0.69 FTE. This is a similar level of FTEs currently supporting this capital project during the 2023-25 biennium. An Environmental Planner 4 (0.60 FTE) will manage the grant program and serve as a liaison between federal agencies and the applicants. This position will administer federal National Coastal Wetland Conservation grants, manage project contracts to disburse federal funds, manage the grant application process, and work with applicants and USFWS on grant applications. The federal grants typically provide Ecology $20,000 to manage and administer each grant award.

Please note, these FTEs support both this new appropriation and other reappropriation projects under this capital program.

How does the project support the agency and statewide results?
This request is essential to achieving Ecology's Goal 1: Support and Engage our Communities, Customers, and Employees because it will benefit Tribal communities by providing opportunities for improved water quality and improved availability and access to culturally significant resources.

This request is essential to achieving Ecology's Goal 4: Protect and Manage Our State's Waters and the Governor's Results Washington Goal 3: Sustainable Energy and a Clean Environment because the funds will be used to conserve wetlands throughout the Puget Sound basin and other areas to protect valuable estuarine habitat and coastal resources from degradation.

This request supports the Southern Resident Killer Whale Task Force Recommendation #1: Significantly increase investment in restoration and acquisition of habitat in areas where Chinook stocks most benefit Southern Resident orcas. Action 8: The Legislature should ensure adequate funding to operate and maintain land acquired by the State for habitat protection and restoration because the wetlands protected through this request typically provide significant Chinook salmon benefits.

This request also directly implements the following recommended priority and action in the 2021 Governor's salmon strategy update

- Strategic Priority: 1. Protect and restore vital salmon habitat
- Action: 1a. Enforce and expand land use regulatory protection

Puget Sound recovery:
This request supports Orca Task Force Recommendation 1. Significantly increase investment in restoration and acquisition of habitat in areas where Chinook Stocks most benefit Southern Resident Orcas. The properties protected through this request typically provide significant Chinook benefit.

Project Number: 40000622
Project Title: 2025-27 Coastal Wetlands Federal Funds

Description

This request also supports the 2022-2026 Puget Sound Action Agenda implementation through the Estuaries, and Forest and Wetlands Vital Signs, and through the following Strategies, Targets, Desired Outcomes, and Actions:

Strategies
5. Floodplains and Estuaries - Protect and restore floodplains and estuaries (including associated riparian habitats) by advancing integrated river basin management planning policies and regulations and accelerating funding and implementation of reach-scale plans.

24. Cultural Practices - Engage with communities to identify, protect, and enhance opportunities for cultural practices and access to safe and abundant local foods

Targets
Through Strategy 5 implementation - Fund 4,554 acres of floodplain or estuary habitat restoration or reconnection.

Desired Outcomes and Actions
1.1.1. Ecologically important lands (including beaches, estuaries, forests and wetlands, streams and floodplains) protected from development.

1.1.2. Natural marine, estuarine, and freshwater shorelines (those not armored) protected to prevent future armoring and development.

1.1.3. Future fragmentation of rivers, floodplains, and estuaries by structural barriers prevented.

1.2.1. Conversion of agricultural lands and working forests to more intensive land uses (residential and commercial development) prevented.

1.4.1. In-stream and riparian areas of rivers and streams restored.

1.4.2. Floodplains, tidal wetlands, and estuaries restored from development.

5.3.2. Access to safe and more abundant local food harvests, such as fish, shellfish, and game, for human populations is increased.

Action 12. Increase the number and accelerate implementation of habitat acquisition and restoration projects as prioritized in salmon and watershed recovery plans.

Action 24. Implement habitat protection and restoration projects that restore or maintain natural nutrient attenuation functions and sediment processes in watersheds, estuaries, and tidal wetlands.

Action 89. Restore and enhance native fish, shellfish, game, and plant populations consistent with existing species recovery efforts.

Action 91. Improve appropriate access opportunities for harvesting local foods and other culturally significant materials on public lands and shorelines.

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 8/29/2024 3:35PM

Project Number: 40000622
Project Title: 2025-27 Coastal Wetlands Federal Funds

Description

How will the other state programs or units of government be affected if this project is funded?
Because the National Coastal Wetlands Conservation grant program requires a state agency to be the applicant for funds, Ecology works with other state and federal agencies, local and Tribal governments, and NGOs to apply for the grants.

Proviso
N/A

Location
City: Statewide **County:** Statewide **Legislative District:** 098

Project Type
Grants

Grant Recipient Organization: Unknown until grant awards are made
RCW that establishes grant: N/A
Application process used
None. Ecology works in partnership with local and Tribal governments, state agencies, and nonprofit organizations to apply for federal funding. Funding applications for National Coastal Wetlands Conservation grants are due in June.

Growth Management impacts
N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	New Approps
001-2	General Fund-Federal	50,000,000				10,000,000
	Total	**50,000,000**	**0**	**0**	**0**	**10,000,000**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
001-2	General Fund-Federal	10,000,000	10,000,000	10,000,000	10,000,000
	Total	**10,000,000**	**10,000,000**	**10,000,000**	**10,000,000**

Operating Impacts

No Operating Impact

2025-27 Biennial Budget HEAL Act Template

Background

HEAL Act requirements

The Healthy Environment for All Act (HEAL Act), Chapter 314, Laws of 2021 (RCW 70A.02) requires that "covered and opt in agencies" must implement the requirements of the HEAL Act. This includes the:

- Department of Ecology
- Department of Agriculture
- Department of Commerce
- Department of Health
- Department of Natural Resources
- Department of Transportation
- Puget Sound Partnership
- Office of the Attorney General

HEAL Act agencies that are considering a significant agency action initiated after July 1, 2023, are required to conduct an environmental justice assessment. RCW 70A.02.010(12) specifies that significant agency actions include:

- The development and adoption of significant legislative rules as defined in RCW 34.05.328.
- The development and adoption of any new grant or loan program that the agency is explicitly authorized or required by statute to implement.
- A capital project, grant, or loan award costing at least $12,000,000.
- A transportation project, grant, or loan costing at least $15,000,000.
- The submission of agency request legislation to the Office of the Governor or OFM.

Under RCW 70A.02.080, beginning on or before July 1, 2023, covered and opt in agencies must, where practicable, take specific actions when making expenditure decisions or developing budget requests to OFM and the Legislature for programs that address or may cause environmental harms or provide environmental benefits. This includes:

- Focus applicable expenditures on creating environmental benefits that are experienced by overburdened communities and vulnerable populations, including reducing or eliminating environmental harms, creating community and population resilience, and improving the quality of life of overburdened communities and vulnerable populations.
- Create opportunities for overburdened communities and vulnerable populations to meaningfully participate in agency expenditure decisions.
- Clearly articulate environmental justice goals and performance metrics to communicate the basis for agency expenditures.
- Establish a goal of directing 40% of grants and expenditures that create environmental benefits to vulnerable populations overburdened communities.

To help OFM understand how HEAL Act agency budget requests meet HEAL Act requirements, covered agencies are required to complete additional questions related to the HEAL Act. These questions are shown below and are in addition to the equity related questions required of all agencies. Covered agencies are asked to complete the following questions and submit them through ABS.

HEAL Act questions

If you answer YES to any of these bullet points, please answer the six additional questions and submit them as an attachment through ABS.

- Is this decision package part of an agency request legislation that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding to support another significant agency action that is required to complete an environmental justice assessment (RCW 70A.02.010(12)?

  ☐ Yes

  ☒ No

- Is this decision package requesting funding for a program/project/activity that may **provide environmental benefits or reduce, mitigate, or eliminate environmental harms**, (that is not a significant agency action)? Note: This may include decision packages for programs not purposely directed to provide environmental benefits but may have an indirect or unintentional impact.

  ☒ Yes

  ☐ No

If you answer YES to any of the above bullet points, please complete these additional questions.

1. Please describe specific likely or probable environmental harms and/or benefits related to your decision package and the associated health impacts to overburdened communities and vulnerable populations.

   The protection and restoration of wetlands will provide and maintain benefits to the communities such as flood attenuation, mitigating sea level rise, improved habitat for salmon, and other resources used by Tribal communities. The ability to access fresh traditional food sources could provide cultural and health benefits to Tribal members.

   Many previously awarded projects were located in low-income, overburdened or tribal communities. We expect future projects to also be located in such areas.

2. Please describe the estimated percentage and amount of the requested funds that will go towards creating environmental benefits in overburdened communities and vulnerable populations as defined in OFM's the OBC map or as determined by the agency. If applicable, please include your methodology for making this estimate, including project/award lists if available.

   SEA program requires $20,000 per grant for administration and technical assistance. Grants may go up to $1 million. Without knowing what grants will be funded we cannot determine a percentage of grant goes toward creating environmental benefits. With an administrative allowance of $20,000 on a $1 million grant, the percentage passing through for the acquisition and restoration project would be 98% and for a $500,000 grant it would be 96% funds passed through.

   The actual amount going to overburdened communities and vulnerable populations will not be known until grants are awarded.

3. Please describe any potential significant impacts to Indian Tribes' rights and interest in their tribal lands, as well as traditional practices.

   When a Tribe proposes a site for acquisition or restoration, we work with the Tribe to help refine their proposal to make sure it is competitive. We work with all Tribes that are interested in submitting a proposal. Some sites, once in a protected status, can be used by Tribal members to gather shellfish and other resources consistent with their Tribal treaty rights.

   Engagement with Tribal communities in Western Washington is a critical element of this program, and Ecology will actively seek opportunities to partner with Tribes on eligible projects. These projects will benefit those communities by providing opportunities for improved water quality; improved availability and access to culturally significant resources, such as tules and wapato for community uses; lowered flood risk; increased fish and wildlife habitat; and permanently protected shoreline access. Tribal communities with higher fish consumption rates can be disproportionately affected by increased levels of toxins in fish. Improved water quality in Puget Sound and habitat restoration will allow salmon to migrate to natal streams and collect less toxins as they traverse the Sound.

   Engaging with and assisting Tribes in securing funding will support increasing the percentage of federal grant funding going to indigenous communities. All of the federally-funded grant projects require review under Section 106 of the National Historic Preservation Act. USFWS notifies and consults with Tribes for all projects with a potential effect on cultural or historic resources and, typically, Ecology's sub-recipients must provide a cultural resources assessment to assist in the compliance review. The USFWS also consults with the Washington Department of Archaeology and Historic Preservation before making final project decisions.

4. Describe how your agency engaged with Tribes in developing this proposal, including offers for tribal consultation including timelines, methods for feedback, and mechanisms for Tribes to express concern, opposition, or support., and any direction provided by Tribes through this engagement.

   In January of each year, staff reach out to Tribes to see if any are interested in submitting a proposal. If they are interested in submitting one, we work with that tribe to submit their application for consideration. Once the grant has been received, we work with the tribe to ensure that the grant funds are expended consistent with the grant agreement.

5. If the decision package is part of agency request legislation or supports another significant agency action that is required to complete an environmental justice assessment under RCW 70A.02.010(12), please submit the assessment as an attachment in ABS.

   N/A

6. If the decision package is part of agency request legislation or constitutes a significant agency action that is required to complete an environmental justice assessment, please describe how your agency used the environmental justice assessment process to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits. If your agency determined that you were unable to eliminate, reduce, or mitigate environmental harms and equitably distribute environmental benefits, please provide a justification for not doing so.

   N/A

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Department of Ecology
2025-2035 Capital Budget

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:22PM

Project Number: **40000563**
Project Title: **2023-25 Water Pollution Control Revolving Program**

Description

Starting Fiscal Year: 2024
Project Class: Grant - Pass Through
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Water Pollution Control Revolving Account to continue essential work through the Clean Water State Revolving Fund (CWSRF) loan program. Congress established the CWSRF under Title VI of the federal Clean Water Act to capitalize state-run, low-interest loan programs to finance water quality facilities and activities. The Washington State CWSRF, established under Chapter 90.50A RCW, implemented the loan program to provide low-interest loans to local governments, special purpose districts, and recognized Tribes, for high-priority water quality projects statewide. Related to Puget Sound Action Agenda implementation.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Proviso

No

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Public entities, local gov'ts, special purpose distr., quasi municipals, federally recognized Tribes.
RCW that establishes grant: Chapter 90.50A RCW

Application process used

Ecology manages an integrated annual funding approach using a joint application, evaluation, and rating and ranking process for the CWSRF, Centennial Clean Water Program, Stormwater Financial Assistance Program, and the Clean Water Act Section 319 federal grant program. The application period begins in August with applications due mid-October. Ecology staff screen, review, and rate and rank the applications from November through December. In early November, the funding application list is available for each fiscal year funding cycle and is provided to the Governor's office and key Legislators. The evaluation and points are assigned according to an objective rating system that identifies the highest priority water quality needs statewide. In January, Ecology produces a combined draft project list for the Legislature to use during budget considerations. The list becomes final on July 1 or sooner, contingent on capital budget appropriations.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
727-1	Water Pollution Cont-State	435,000,000		57,000	434,943,000	
727-2	Water Pollution Cont-Federal	200,000,000		41,428,000	158,572,000	
	Total	**635,000,000**	**0**	**41,485,000**	**593,515,000**	**0**

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:22PM

Project Number: 40000563
Project Title: 2023-25 Water Pollution Control Revolving Program

Funding

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
727-1	Water Pollution Cont-State				
727-2	Water Pollution Cont-Federal				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

OFM

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:50PM

Project Number: **40000473**
Project Title: **2022 Water Pollution Control Revolving Program**

Description

Starting Fiscal Year: 2022
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Water Pollution Control Revolving Account to continue essential work through the Clean Water State Revolving Fund (CWSRF) loan program. Congress established the CWSRF under Title VI of the federal Clean Water Act to capitalize state-run, low-interest loan programs to finance water quality facilities and activities. The Washington State CWSRF, established under Chapter 90.50A RCW, implemented the loan program to provide low-interest loans to local governments, special purpose districts, and recognized Tribes, for high-priority water quality projects statewide. Related to Puget Sound Action Agenda implementation.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Public entities, local gov'ts, special purpose distr., quasi municipals, federally recognized Tribes.
RCW that establishes grant: Chapter 90.50A RCW
Application process used

Ecology manages an integrated annual funding approach using a joint application, evaluation, and rating and ranking process for the CWSRF, Centennial Clean Water Program, Stormwater Financial Assistance Program, and the Clean Water Act Section 319 federal grant program. The application period begins in August with applications due mid-October. Ecology staff screen, review, and rate and rank the applications from November through December. In early November the funding application list is available for each fiscal year funding cycle and is provided to the Governor's office and key Legislators. The evaluation and points are assigned according to an objective rating system that identifies the highest priority water quality needs statewide. In January, Ecology produces a combined draft project list for the Legislature to use during budget considerations. The list becomes final on July 1 or sooner, contingent on capital budget appropriations.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
727-1	Water Pollution Cont-State	200,000,000			200,000,000	
	Total	**200,000,000**	**0**	**0**	**200,000,000**	**0**

Future Fiscal Periods			
2027-29	2029-31	2031-33	2033-35

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:50PM

Project Number: 40000473
Project Title: 2022 Water Pollution Control Revolving Program

Funding

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
727-1	Water Pollution Cont-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

OFM

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:41PM

Project Number: **40000495**
Project Title: **2023-25 Remedial Action Grant Program**

Description

Starting Fiscal Year: 2024
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Model Toxics Control Capital Account to fund its Remedial Action Grant (RAG) pass-through program to help local governments clean up contaminated sites in Washington. RAGs support cleanup at contaminated industrial sites that affect the air, land, and water resources of the state, and the continued cleanup of Puget Sound. This grant funding will protect public and environmental health, create jobs, promote economic growth through the redevelopment of contaminated properties, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Proviso

No

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Multiple Local Governments
RCW that establishes grant: Chapter 70A.305 RCW

Application process used

Project solicitation. (1) Biennially, Ecology will solicit project proposals from local governments to develop its budget and update the MTCA Ten-Year Financing Plan for the RAG program. (2) Legislative Action. Projects are ranked and included in Ecology's budget for legislative action. (3) Finalize application. Once the budget is passed by the Legislature, recipients are notified and required to work with Ecology to complete any additional application information and submit the information on electronic forms provided by Ecology. For multi-biennial oversight RAG projects, an application must be submitted before each biennium for which additional funds are requested. (4) Agreement development. Ecology uses the information in the application to negotiate with the applicant the final scope of work and budget for the grant and develop the agreement. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

Supports redevelopment of brownfield properties in urban areas.

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
23N-1	MTC Capital Account-State	115,111,000		1,314,000	113,797,000	
	Total	**115,111,000**	**0**	**1,314,000**	**113,797,000**	**0**

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:41PM

Project Number: 40000495
Project Title: 2023-25 Remedial Action Grant Program

Funding

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

OFM

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:39PM

Project Number: **40000018**
Project Title: **VW Settlement Funded Projects**

Description

Starting Fiscal Year: 2018
Project Class: Grant - Pass Through
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the from the General Fund - Private/Local to continue projects associated with the Volkswagen AG (VW) settlement. The U.S. Department of Justice penalized VW for knowingly selling diesel vehicles that violated the federal Clean Air Act, emitting up to 40 times the permitted levels of harmful air pollutants. VW entered into multiple consent decrees with the U.S. to settle consumer and environmental damages. Under the settlement, Washington is eligible to receive $112.7 million to be spent over ten years. The funds are held in a trust outside of the state treasury. Ecology is requesting reappropriation to fund projects, consistent with the consent decrees, that will significantly reduce transportation-related toxic air pollution and offset the public health damage caused by the violating VW vehicles. The consent decrees define how the funds can be used to reduce emissions. Related to Puget Sound Action Agenda implementation.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

This project requires a total of 5.18 FTEs. These staff develop associated policy, communicate, and implement the investment of funds including ongoing coordination with the multi-agency steering committee, the Governor's policy staff, three multi-agency workgroups, and legislative staff when required. They are tasked with ensuring all projects meet the federal settlement project, reporting, and Trustee requirements. In addition, these staff administer the program, including soliciting applications, drafting grant guidelines, contracting with grant recipients, contracting with technology and service vendors, providing technical assistance, processing vendor/recipient payments, and closing grant awards. Staff also provide program oversight including, developing award category guidelines, developing materials, outreach, and training to prospective applicants, trustee coordination, award tracking, and overall financial management of the program. Under the terms of the VW Settlement, Beneficiaries may cover administrative costs associated with implementing eligible mitigation plans, up to 15% of the total mitigation plan cost.

See attached project list for detailed subproject descriptions, statuses, and reappropriation explanations.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A
Application process used

N/A

Growth Management impacts

N/A

Funding

	Expenditures	2025-27 Fiscal Period

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:39PM

Project Number: 40000018
Project Title: VW Settlement Funded Projects

Funding

Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
001-7	General Fund-Private/Local	112,700,000	29,125,000	9,124,000	74,451,000	
	Total	**112,700,000**	**29,125,000**	**9,124,000**	**74,451,000**	**0**

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
001-7	General Fund-Private/Local				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

Ecology Capital Reappropriation Project List

August 2024

Purpose: Identify the subprojects, status, and justification for 2025-27 capital reappropriation requests that were originally funded prior to the 2021-23 biennium. Amount remaining based on expenditures through June 2024.

40000018	VW Settlement Funded Projects

Project Title	Project Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Electric Transit Buses (EMA2-Transit-C1)	Scrap & replace or repower pre-2007 diesel transit buses with all-electric transit buses	Mostly under agreement	One grantee declined the award in this reporting period. We have worked with the grantee to close out this agreement. One grantee required an extension in the grant agreement due to unforeseen delays, they intend to close-out the grant by June 30, 2025.	7,887,078	Statewide					
EV Corridor Charging (EMA9-Corridor-C1)	Purchase and Install Electric Vehicle Charging Infrastructure along High-Traffic Transportation Corridors in WA	Mostly under agreement	One agreement was extended to accommodate project delays. This project is expected to be complete by June 30, 2025 and will then begin the required five-year reporting period.	2,628,036	Statewide					
Electric School Buses (EMA2-School Bus-C1)	Scrap & replace pre-2007 diesel school buses with all-electric school buses	Mostly under agreement	No changes to scope or timeline in this reporting period. Ecology will closeout this project with the Trustee in the next reporting period.	2,830,064	Statewide					
Hybrid Electric Ferries (EMA4-Ferries-C1)	Repower Jumbo Mark II Diesel Ferry with Battery Electric Power (diesel-electric hybrid)	Under agreement	Ecology has one grant agreement in place for $35 million to convert a diesel ferry to hybrid-electric. Tasks 1 and 2 of this grant agreement, Final Design of Hybrid Propulsion and Equipment and Procurement of Hybrid Equipment / Materials, are complete. Task 3, Vessel Conversion, is 50% complete. Task 3 is expected to be completed by December 2024.	35,000,000	Statewide					
Shore Power for OGV (EMA5-Shore Power-C1)	Shore Power for Ocean Going Vessels	Mostly under agreement	Ecology will be working with Northwest Seaport Alliance to amend this agreement to allow for an extension in the next reporting period (January – June 2024). The scope of the projects is unchanged.	3,988,458	Statewide					
Electric Fire Apparatus (EMA10-FireEngine-C2)	Washington DERA 2022: Scrap and Replace 2009 and older diesel fire apparatus with electric fire apparatus	Mostly under agreement	Ecology has two grant agreements in place with fire departments in Washington utilizing approximately $683,000 in VW federal settlements funds to purchase two electric fire trucks. This grant program is a partnership between Ecology's VW Federal Settlement Program and Ecology's Diesel Emissions Reduction Act (DERA) Program. Both fire departments have ordered their electric fire engines and are expecting delivery in 2025 and 2026.	811,920	Statewide					

Project Title	Project Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Street Sweepers/Refuse Vehicles Class 4-7 (EMA6-SweepersRefuse-C2)	Scrap & Replace pre-2009 publicly owned diesel class 4-7 street sweepers and purchase and install fueling infrastructure	Mostly under agreement	Ecology has one agreement in place for about $1.5 million to scrap two Class 4-7 diesel refuse vehicles and street sweepers and replace them with zero emission vehicles. Awards include funds to purchase and install charging infrastructure to support the new zero emission vehicles. Ecology anticipates orders being placed in the next reporting period (July– December 2024).	5,471,150	Statewide					
Street Sweepers/Refuse Vehicles Class 8 (EMA1-SweepersRefuse-C2)	Scrap & replace pre-2009 publicly owned diesel class 8 street sweeper locomotives with ZEV vehicles/equipment and purchase and install charging infrastructure	Mostly under agreement	Ecology has two grant agreements in place for approximately $1.17 million to scrap class 8 diesel refuse vehicles and street sweepers and replace them with zero emission vehicles. Awards include funds to purchase and install charging equipment for the new zero emission vehicles. Ecology anticipates orders being placed in the next reporting period (July - December 2024).	4,932,761	Statewide					
Freight Switchers (EMA3-Switchers-C2)	Scrap & replace pre-2009 publicly owned diesel freight switcher locomotives with ZEV vehicles/equipment and purchase and install charging infrastructure	Mostly under agreement	Ecology has one grant agreement in place for $3.3 million to scrap a tier 3 diesel switcher locomotive and replace it with a battery-electric switcher locomotive. Ecology anticipates the procurement process finishing and an order being placed in the next reporting period (July – December 2024).	3,440,625	Statewide					
Port Cargo Handling Equipment (EMA8-PCHE-C2)	Scrap & replace pre-2009 publicly owned diesel PCHE with ZEV vehicles/equipment and purchase and install charging infrastructure	Mostly under agreement	Ecology has three grant agreements in place for approximately $1.36 million to scrap and replace a total of three diesel forklifts and one diesel yard truck with electric forklifts and yard trucks. Awards include funds to purchase and install charging infrastructure to support the new equipment. Ecology anticipates projects will be under way in the next reporting period (July – December 2024).	3,481,665	Statewide					
Level 2 EVSE (EMA9-Level 2-C2)	Purchase and Install Level 2 charging infrastructure for Electric Vehicles around WA	Mostly under agreement	Ecology has grant agreements in place with 15 organizations to purchase and install Level 2 electric vehicle charging infrastructure. Work has begun by the grantees and is expected to be completed by June 30, 2025. Ecology anticipates opening the second round of the grant program to new applicants in the next (July-December 2024) reporting period.	3,979,015	Statewide					
TOTAL				**74,450,773**						

OFM

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:24PM

Project Number: **40000540**
Project Title: **2023-25 Floodplains by Design**

Description

Starting Fiscal Year: 2024
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Seattle Storm Account to fund its Floodplains by Design (FbD) grant program that uses an integrated approach to manage Washington's flood-prone areas. According to the state's 2018 Hazard Inventory and Vulnerability Assessment (page 240), "the costs of flood damages exceed the cost of all other natural hazards". Since 1980, flooding has caused more than $2 billion in damages to the state, with highly populated areas in Western Washington severely impacted. Related to Puget Sound Action Agenda Implementation.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Proviso

N/A

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Local and tribal gov't, flood control and conservation districts, and non-profit organizations.
RCW that establishes grant: N/A
Application process used

Ecology sends out a request for project proposals in November of odd-numbered years. In the subsequent even-numbered years, the following steps occur: In January, Ecology screens the pre-applications. In February, Ecology invites the applicants of approved pre-applications to give presentations and submit full grant applications. Finally, in May and June, a technical team of flood risk and ecosystem restoration experts score each project in accordance with program funding guidelines. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	49,800,000		454,000	49,346,000	
26D-1	Natural Clim Solu Ac-State	17,592,000		82,000	17,510,000	
	Total	**67,392,000**	**0**	**536,000**	**66,856,000**	**0**

Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:24PM

Project Number: 40000540
Project Title: 2023-25 Floodplains by Design

Funding

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
26D-1	Natural Clim Solu Ac-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

OFM

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:02PM

Project Number: **40000583**
Project Title: **2023-25 Columbia River Water Supply Development Program**

Description

Starting Fiscal Year: 2024
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the State Building Construction Account to continue implementing the Columbia River Basin Water Supply Development Program (Chapter 90.90 RCW). This request will fund projects that are in various stages of completion and provide the Office of Columbia River with resources needed to continue project implementation in fucture biennia. Specifically, these funds will: provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water for pending water right applications; develop new, uninterruptible water supply for those presently subject to interruption during times of drought or low flows; develop new municipal, domestic, industrial, and irrigation water throughout the Columbia River basin; and, place one-third of these new water supplies in-stream to meet the flow needs of fish, wildlife, and recreational users. With this investment, Ecology will help meet priority needs of the water users in the Columbia River basin.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Proviso

None

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Public Agriculture Water Supply Facilities and US. Bureau of Reclamation

RCW that establishes grant: None

Application process used

Grants to local entities for projects developed in cooperation with the Columbia River Basin Policy Advisory Group. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	64,700,000		1,656,000	63,044,000	
296-1	Col River Bas Wtr Su-State	1,500,000			1,500,000	
	Total	**66,200,000**	**0**	**1,656,000**	**64,544,000**	**0**

Future Fiscal Periods

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:02PM

Project Number: 40000583
Project Title: 2023-25 Columbia River Water Supply Development Program

Funding

		2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
296-1	Col River Bas Wtr Su-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

OFM

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Capital Project Request

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*

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:47PM

Project Number: **40000476**
Project Title: **2023-25 Chehalis Basin Strategy**

Description

Starting Fiscal Year: 2024
Project Class: Grant - Pass Through
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the State Building Construction Account to continue implementing the long-term Chehalis Basin Strategy in cooperation with local, Tribal, and state partners. At the direction of the Washington State Legislature, a diverse set of stakeholders overseen by the Chehalis Basin Board, and supported by Ecology's Office of Chehalis Basin, are developing a comprehensive, long-term strategy to reduce flood-related damage, restore aquatic habitat for salmon and other native species, and provide other public benefits.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Proviso

The requested proviso below is consistent with the final enacted 21-23 biennial budget for this program. Ecology is working closely with the Board and anticipates being able to provide the requested fund split between items 1-4 after the September Board meeting. The appropriation in this section is subject to the following conditions and limitations: (1) $X of the appropriation in this section is for board-approved projects to protect and restore aquatic species habitat, including construction and property acquisition; preconstruction and acquisition planning and project development, feasibility, design, environmental review, and permitting; post construction and acquisition monitoring and adaptive management; and engagement of state agencies, tribes, conservation partners, landowners, and other parties. (2) $X of the appropriation in this section is for board-approved projects to reduce flood damage, including construction and property acquisition; preconstruction and acquisition project planning and development, feasibility, design, environmental review, and permitting; and engagement of state agencies, tribes, project sponsors, landowners, and other parties. (3) $X of the appropriation in this section is for board-approved integrated multi-benefit fish and flood projects. (4) $X of the appropriation in this section is for the operations of the office of Chehalis Basin and Chehalis Basin board to oversee the development, implementation, and amendment of the Chehalis Basin strategy. Oversight operations include, but are not limited to Providing financial accountability, project management, and board meeting administration and facilitation. (5) The office of Chehalis basin board has discretion to allocate the funding between subsections (1), (2), (3), and (4) of this section if needed to meet the objectives of this appropriation. (6) Up to one and a half percent of the appropriation provided in this section may be used by the Recreation and Conservation Office to administer contracts associated with the subprojects funded through this section. Contract administration includes, but is not limited to: Drafting and amending contracts, reviewing and approving invoices, tracking expenditures, and performing field inspections to assess project status when conducting similar assessments related to other agency contracts in the same geographic area.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

OFM

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Capital Project Request

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*

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:47PM

Project Number: **40000476**
Project Title: **2023-25 Chehalis Basin Strategy**

Description

Grant Recipient Organization: State, local, tribal, and community groups, agencies, and contractors

RCW that establishes grant: RCW 43.21A.730 -.733

Application process used

Fiscal management is provided through RCO, so no new grant program needs to be set up/modified at Ecology. Project lists are created through application of ranking criteria approved by the Chehalis Basin Board.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	New Approps
057-1	State Bldg Constr-State	70,000,000		5,628,000	64,372,000	
	Total	**70,000,000**	**0**	**5,628,000**	**64,372,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

OFM

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:25PM

Project Number: **40000539**
Project Title: **2023-25 Stormwater Financial Assistance Program**

Description

Starting Fiscal Year: 2024
Project Class: Grant - Pass Through
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Model Toxics Control Stormwater Account to continue to fund Ecology's Stormwater Financial Assistance Program. The program provides grants to public entities to finance stormwater retrofit projects that treat polluted stormwater in priority areas throughout the state. The work accomplished by local governments helps reduce toxics and other pollution from entering our waterways and protect our marine waters, estuaries, lakes, rivers, and groundwater resources. Funding is awarded through an integrated competitive rating and ranking process to ensure projects provide good water quality value and address problems from existing urban development.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Proviso

N/A

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Counties, cities, towns, and port districts
RCW that establishes grant: RCW 70A.305.200

Application process used

Ecology manages an integrated annual funding approach using a joint application, evaluation, and rating and ranking process for the CWSRF, Centennial Clean Water Program, Stormwater Financial Assistance Program, and the Clean Water Act Section 319 federal grant program. The application period begins in August with applications due mid-October. Ecology staff screen, review, and rate and rank the applications from November through December. In early November, the funding application list is available for each fiscal year funding cycle and is provided to the Governor's office and key legislators. The evaluation and points are assigned according to an objective rating system that identifies the highest priority water quality needs statewide. In January, Ecology produces a combined draft project list for the Legislature to use during budget considerations. The list becomes final on July 1 or sooner, contingent on capital budget appropriations. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
23R-1	MTC Stormw Account-State	68,000,000		5,168,000	62,832,000	
	Total	**68,000,000**	**0**	**5,168,000**	**62,832,000**	**0**

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:25PM

Project Number: 40000539
Project Title: 2023-25 Stormwater Financial Assistance Program

Funding

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
23R-1	MTC Stormw Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

OFM

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 2:21PM

Project Number: **40000304**
Project Title: **2021-23 Remedial Action Grant Program**

Description

Starting Fiscal Year: 2022
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Model Toxics Control Capital Account to fund its Remedial Action Grant (RAG) pass-through program to help local governments clean up contaminated sites in Washington. RAGs support cleanup at contaminated industrial sites that affect the air, land, and water resources of the state, and the continued cleanup of Puget Sound. This grant funding will protect public and environmental health, create jobs, promote economic growth through the redevelopment of contaminated properties, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Local Government
RCW that establishes grant: Chapter 70A.305 RCW
Application process used

Project solicitation. (1) Biennially, Ecology will solicit project proposals from local governments to develop its budget and update the MTCA Ten-Year Financing Plan for the RAG program. (2) Legislative Action. Projects are ranked and included in Ecology's budget for legislative action. (3) Finalize application. Once the budget is passed by the Legislature, recipients are notified and required to work with Ecology to complete any additional application information and submit the information on electronic forms provided by Ecology. For multi-biennial oversight RAG projects, an application must be submitted before each biennium for which additional funds are requested. (4) Agreement development. Ecology uses the information in the application to negotiate with the applicant the final scope of work and budget for the grant and develop the agreement.

Growth Management impacts

Supports redevelopment of brownfield properties in urban areas.

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
23N-1	MTC Capital Account-State	71,194,000	6,429,000	2,568,000	62,197,000	
	Total	**71,194,000**	**6,429,000**	**2,568,000**	**62,197,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 2:21PM

Project Number: 40000304
Project Title: 2021-23 Remedial Action Grant Program

Funding

Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

OFM

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:06PM

Project Number: **40000572**
Project Title: **2023-25 Yakima River Basin Water Supply**

Description

Starting Fiscal Year: 2024
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the State Building Construction Account to continue implementing Yakima River Basin Integrated Water Resources Management Plan (Plan) in cooperation with the U.S. Bureau of Reclamation and local stakeholders. Current water resources infrastructure, programs, and policies in the Yakima River Basin are unable to consistently meet the Basin's environmental and economic demands, including supporting aquatic resources, fish and wildlife habitat, dry-year irrigation, and municipal water supplies. A diverse set of local stakeholders developed the Plan to provide a comprehensive, long-term water resources and habitat improvement program to address this situation. This program will support the regional economy and protect the environment.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Proviso

No

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Local Entities

RCW that establishes grant: Legislative Appropriation

Application process used

Competitive grants to local entities for projects developed in cooperation with the Yakima Basin Working group. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	49,000,000		535,000	48,465,000	
	Total	**49,000,000**	**0**	**535,000**	**48,465,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:06PM

Project Number: 40000572
Project Title: 2023-25 Yakima River Basin Water Supply

Funding

Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

OFM

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Capital Project Request

2025-27 Biennium

*

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 2:20PM

Project Number: **40000336**
Project Title: **2021-23 Stormwater Financial Assistance Program**

Description

Starting Fiscal Year: 2022
Project Class: Grant - Pass Through
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Model Toxics Control Stormwater Account to continue to fund Ecology's Stormwater Financial Assistance Program. The program provides grants to public entities to finance stormwater retrofit projects that treat polluted stormwater in priority areas throughout the state. The work accomplished by local governments helps reduce toxics and other pollution from entering our waterways and protect our marine waters, estuaries, lakes, rivers, and groundwater resources. Funding is awarded through an integrated competitive rating and ranking process to ensure projects provide good water quality value and address problems from existing urban development.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Counties, cities, towns, and port districts
RCW that establishes grant: RCW 70A.305.200
Application process used

Ecology manages an integrated annual funding approach using a joint application, evaluation, and rating and ranking process for the SRF, Centennial Clean Water Program, Stormwater Financial Assistance Program, and the Clean Water Act Section 319 federal grant program. The application period begins in August with applications due mid-October. Ecology staff screen, review, and rate and rank the applications from November through December. The evaluation and points are assigned according to an objective rating system that identifies the highest priority water quality needs statewide. In January, Ecology produces a combined draft project list for the Legislature to use during budget considerations. The list becomes final on July 1 or sooner, contingent on Capital Budget appropriations. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	New Approps
23R-1	MTC Stormw Account-State	75,000,000	12,292,000	14,810,000	47,898,000	
	Total	**75,000,000**	**12,292,000**	**14,810,000**	**47,898,000**	**0**

Future Fiscal Periods			
2027-29	2029-31	2031-33	2033-35

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 2:20PM

Project Number: 40000336
Project Title: 2021-23 Stormwater Financial Assistance Program

Funding

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
23R-1	MTC Stormw Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

OFM

461 - Department of Ecology
Capital Project Request

2025-27 Biennium

*

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 2:13PM

Project Number: **40000387**
Project Title: **2021-23 Chehalis Basin Strategy**

Description

Starting Fiscal Year: 2022
Project Class: Grant - Pass Through
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the State Building Construction Account to continue implementing the long-term Chehalis Basin Strategy in cooperation with local, Tribal, and state partners. At the direction of the Washington State Legislature, a diverse set of stakeholders overseen by the Chehalis Basin Board, and supported by Ecology's Office of Chehalis Basin, are developing a comprehensive, long-term strategy to reduce flood-related damage, restore aquatic habitat for salmon and other native species, and provide other public benefits.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: State, local, tribal, and community groups, agencies, and contractors
RCW that establishes grant: RCW 43.21A.730 -.733
Application process used

Fiscal management is provided through RCO, so no new grant program needs to be set up/modified at Ecology. Project lists are created through application of ranking criteria approved by the Chehalis Basin Board. Local flood damage reduction projects are evaluated by the Flood Authority, which recommends a ranked list to the Chehalis Basin Board. The Board approves the final ranked list for funding. Aquatic Species Restoration Plan projects are identified and evaluated by the ASRP Steering Committee that recommends a list of projects to the Board. The Board approves the final list of ASRP projects for funding. The OCB oversees the implementation of the projects, and contracts with RCO for fiscal management of the grant funds.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	78,418,000	20,243,000	14,412,000	43,763,000	
	Total	**78,418,000**	**20,243,000**	**14,412,000**	**43,763,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 2:13PM

Project Number: 40000387
Project Title: 2021-23 Chehalis Basin Strategy

Funding

Operating Impacts

No Operating Impact

OFM

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:21PM

Project Number: **40000565**
Project Title: **2023-25 Streamflow Restoration Program**

Description

Starting Fiscal Year: 2024
Project Class: Grant - Pass Through
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Watershed Restoration and Enhancement Bond Account to continue implementing the Streamflow Restoration Program under Chapter 90.94 RCW. This law, enacted in 2018, provides $300 million in bond authorization over 15 years to support local watershed planning and projects that will improve instream flows statewide. With this request, Ecology will deliver additional water supplies to improve instream flows for fish and wildlife. Related to Puget Sound Action Agenda Implementation.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Proviso

None

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Local Entities
RCW that establishes grant: Chapter 90.94 RCW
Application process used

Competitive grants to local entities for projects developed in conformance with Chapter 90.94 RCW. Ecology's published guidance outlines our consistent and transparent process for awarding these grants. 2021-23 funding cycle guidance provide here as example: https://apps.ecology.wa.gov/publications/SummaryPages/2111019.html. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
366-1	Wtrshd Rst Enhnc Bnd-State	40,000,000			40,000,000	
	Total	**40,000,000**	**0**	**0**	**40,000,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
366-1	Wtrshd Rst Enhnc Bnd-State				

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:21PM

Project Number: 40000565
Project Title: 2023-25 Streamflow Restoration Program

Funding

Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

Narrative

Since the passage of Chapter 90.94 RCW, base carry-forward level funding to implement the Streamflow Restoration Program has been, and continues to be included in Ecology's operating budget.

OFM

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:07PM

Project Number: **40000571**
Project Title: **2023-25 Centennial Clean Water Program**

Description

Starting Fiscal Year: 2024
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Model Toxics Control Capital Account for Ecology's Centennial Clean Water Program. This program provides grants to public entities to finance the construction of water pollution control facilities and implement nonpoint pollution control activities. Ecology distributes the funds through a statewide competitive rating and ranking process. Grant recipients are public entities that use the funds to address high priority statewide water quality needs. The work done by public entities using these funds is an integral and essential part of the state's strategy to reduce pollution and protect our marine waters, estuaries, lakes, rivers, and groundwater resources. The Centennial Clean Water Program is a critical program for meeting the clean water needs for small, disadvantaged communities. Related to Puget Sound Action Agenda Implementation.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Proviso

N/A

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Various public bodies
RCW that establishes grant: Chapter 70A.135 RCW

Application process used

Ecology manages an integrated annual funding approach using a joint application, evaluation, and rating and ranking process for the SRF, Centennial Clean Water Program, Stormwater Financial Assistance Program, and the Clean Water Act Section 319 federal grant program. The application period begins in August with applications due mid-October. Ecology staff screen, review, and rate and rank the applications from November through December. The evaluation and points are assigned according to an objective rating system that identifies the highest priority water quality needs statewide. In January, Ecology produces a combined draft project list for the Legislature to use during budget considerations. The list becomes final on July 1 or sooner, contingent on capital budget appropriations. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

Eligible public bodies include: - Counties, cities, and towns - Water districts and sewer districts - Port districts - Conservation districts - Irrigation districts - Quasi-municipal corporations - Federally recognized Tribes - Washington State institutions of higher education if the project is not included in the institution's statutory responsibilities

Funding

	Expenditures	2025-27 Fiscal Period

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:07PM

Project Number: 40000571
Project Title: 2023-25 Centennial Clean Water Program

Funding

Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
23N-1	MTC Capital Account-State	40,000,000		752,000	39,248,000	
	Total	**40,000,000**	**0**	**752,000**	**39,248,000**	**0**

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

OFM

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 2:01PM

Project Number: 40000399
Project Title: 2021-23 Columbia River Water Supply Development Program

Description

Starting Fiscal Year: 2022
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Columbia River Basin Water Supply Revenue Recovery Account to continue implementing the Columbia River Basin Water Supply Development Program (Chapter 90.90 RCW). This request will fund projects that are in various stages of completion and provide the Office of Columbia River with resources needed to continue project implementation in fucture biennia. Specifically, these funds will: provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water for pending water right applications; develop new, uninterruptible water supply for those presently subject to interruption during times of drought or low flows; develop new municipal, domestic, industrial, and irrigation water throughout the Columbia River basin; and, place one-third of these new water supplies in-stream to meet the flow needs of fish, wildlife, and recreational users. With this investment, Ecology will help meet priority needs of the water users in the Columbia River basin.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Local Entities
RCW that establishes grant: N/A
Application process used

Competitive grants to local entities for projects developed in cooperation with the Columbia River Basin Policy Advisory Group. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	New Approps
057-1	State Bldg Constr-State	43,500,000	5,321,000	3,512,000	34,667,000	
296-1	Col River Bas Wtr Su-State	1,500,000	53,000	80,000	1,367,000	
	Total	**45,000,000**	**5,374,000**	**3,592,000**	**36,034,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
296-1	Col River Bas Wtr Su-State				

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 2:01PM

Project Number: 40000399
Project Title: 2021-23 Columbia River Water Supply Development Program

Funding

Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

OFM

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 2:02PM

Project Number: **40000397**
Project Title: **2021-23 Streamflow Restoration Program**

Description

Starting Fiscal Year: 2022
Project Class: Grant - Pass Through
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Watershed Restoration and Enhancement Bond Account to continue implementing the Streamflow Restoration Program under Chapter 90.94 RCW. This law, enacted in 2018, provides $300 million in bond authorization over 15 years to support local watershed planning and projects that will improve instream flows statewide. With this request, Ecology will deliver additional water supplies to improve instream flows for fish and wildlife. Related to Puget Sound Action Agenda Implementation.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Local Entities
RCW that establishes grant: Chapter 90.94 RCW
Application process used

Competitive grants to local entities for projects developed in conformance with Chapter 90.94 RCW. Ecology's published guidance outlines our consistent and transparent process for awarding these grants: https://fortress.wa.gov/ecy/publications/summarypages/1911089.html. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
366-1	Wtrshd Rst Enhnc Bnd-State	40,000,000	961,000	7,571,000	31,468,000	
	Total	**40,000,000**	**961,000**	**7,571,000**	**31,468,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
366-1	Wtrshd Rst Enhnc Bnd-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 2:02PM

Project Number: 40000397
Project Title: 2021-23 Streamflow Restoration Program

Operating Impacts

No Operating Impact

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 2:03PM

Project Number: 40000211
Project Title: 2019-21 Remedial Action Grants

Description

Starting Fiscal Year: 2020
Project Class: Grant - Pass Through
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Model Toxics Control Capital Account to fund its Remedial Action Grant (RAG) pass-through program to help local governments clean up contaminated sites in Washington. RAGs support cleanup at contaminated industrial sites that affect the air, land, and water resources of the state, and the continued cleanup of Puget Sound. This grant funding will protect public and environmental health, create jobs, promote economic growth through the redevelopment of contaminated properties, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

See attached project list for detailed subproject descriptions, statuses, and reappropriation explanations.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Local Government
RCW that establishes grant: Chapter 70A.305 RCW
Application process used

1) Project solicitation. Biennially, Ecology will solicit project proposals from local governments to develop its budget and update the MTCA Ten-Year Financing Plan for the RAG program. (2) Legislative Action. Projects are ranked and included in Ecology's budget for legislative action. (3) Finalize application. Once the budget is passed by the Legislature, recipients are notified and required to work with Ecology to complete any additional application information and submit the information on electronic forms provided by Ecology. For multi-biennial oversight RAG projects, an application must be submitted before each biennium for which additional funds are requested. (4) Agreement development. Ecology uses the information in the application to negotiate with the applicant the final scope of work and budget for the grant and develop the agreement.

Growth Management impacts

Supports redevelopment of brownfield properties in urban areas.

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	New Approps
23N-1	MTC Capital Account-State	48,882,000	18,186,000	3,010,000	27,686,000	
	Total	**48,882,000**	**18,186,000**	**3,010,000**	**27,686,000**	**0**

Future Fiscal Periods

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 2:03PM

Project Number: 40000211
Project Title: 2019-21 Remedial Action Grants

Funding

		2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

Ecology Capital Reappropriation Project List

August 2024

Purpose: Identify the subprojects, status, and justification for 2025-27 capital reappropriation requests that were originally funded prior to the 2021-23 biennium. Amount remaining based on expenditures through June 2024.

40000211	2019-21 Remedial Action Grants

Project Title	Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Cornwall Ave Landfill	The Cornwall Avenue Landfill Site is located in Bellingham along the waterfront. The engineering design phase work has been completed and the consent decree for construction executed. The Port is waiting for the JARPA federal permit, which expected in fall 2024. The project is scheduled to begin cleanup construction in 2025.	Expected to be under agreement by the end of the 2023-25 biennium	Construction is scheduled to start in 2025. These funds will be needed in the 2025-27 biennium to continue to support cleanup construction activities. The project will not be able to move forward on schedule without maintaining full funding for construction.	2,922,000	Bellingham	Whatcom	42	1 - Nooksack	48.74	-122.49
I and J Waterway SCU 1	The I&J Waterway Site is located in Bellingham Bay. This grant funds remedial actions for the Sediment Cleanup Unit 1 (SCU-1) portion of the I & J Waterway Site. This includes cleanup construction bid activities and construction of the cleanup action as required under the consent decree filed in November 2023. Cleanup construction has started as of July 2024 and will continue through 2025.	Under agreement	The consent decree and permits are in place. Cleanup construction has started as of July 2024 and will continue through 2025. Funds not used in the 2023-25 biennium are expected to spend down during the 2025-27 biennium as construction is underway.	6,804,968	Bellingham	Whatcom	42	1 - Nooksack	48.75	-122.49
Whatcom Waterway	The Whatcom Waterway Site is located within Bellingham Bay. The Site is more than 200 acres in size and includes in-water work in the waterway and a former industrial waste treatment lagoon. Separated into multiple phases, this second phase of work includes finalizing the engineering design, permitting and implementing the cleanup action in accordance with the consent decree. Engineering phase work is underway with cleanup construction expected to begin during the 2025-27 biennium.	Partially under agreement	The consent decree for construction is in place. Engineering design is in progress with permits expected to be submitted by fall 2024. Cleanup construction for this $94 million cleanup (approx.) is expected to start during the 2025-27 biennium. A good portion of the remaining funds are expected to be used during the 2023-25 biennium and any unused funds will be critical to keep construction on schedule during the 2025-27 biennium.	1,829,552	Bellingham	Whatcom	42	1 - Nooksack	48.75	-122.49
Central Waterfront	The Central Waterfront cleanup site is made up of about 51 acres on Bellingham's downtown waterfront. Investigations to date have found contaminants in soil, groundwater, and sediment associated with historical industrial uses. A cleanup action plan was finalized early in 2020. The pre-remedial design investigation (PRDI) is in progress and expected to continue through the 2025-27 biennium followed by completion of engineering design expected in 2026 with construction planned for 2027.	Under agreement	The project consists of two phases, which are in the pre-remedial design investigation (PRDI) phase presently. These funds will be used to support progress towards implementing the Interim Action during the 2025-27 biennium.	1,136,503	Bellingham	Whatcom	42	1 - Nooksack	48.76	-122.49
Gas Works Park	The Gas Works Park Site (GWPS) is situated on the northern shore of Lake Union in Seattle. It consists of an upland area and an in-water sediment area impacted by historical industrial operations including a manufactured gas plant, tar refinery, bulk fuel storage and ship building. A Remedial Investigation/Feasibility Study (RI/FS) for the GWPS, finalized in January 2023. A Consent Decree was executed to implement a Cleanup Action Plan (CAP). These funds will be used toward engineering design and cleanup construction activities to address remaining areas of contamination at the site.	Under agreement	The consent decree for construction is in place and permits have been submitted. Approval of the JARPA is taking longer than anticipated, delaying progress on engineering design and construction. Funding will be needed to continue work in the 2025-27 biennium.	809,000	Seattle	King	43	8 - Cedar - Sammamish	47.65	-122.33
Port of Seattle T115	The Terminal 115 property is located in an industrial area on the west bank of the Lower Duwamish Waterway (LDW) in Seattle. The current Agreed Order for the T115 North Site requires that the Port complete a Remedial Investigation (RI), Feasibility Study (FS) and Draft Cleanup Action Plan (DCAP) to provide for the selection of a cleanup alternative. The project is currently working on finalizing the draft RI for public comment by early 2025.	Under agreement	Funds will be needed in the 2025-27 biennium to support completion of the RI, FS and DCAP.	251,859	Seattle	King	34	9 - Duwamish - Green	47.55	-122.34

Project Title	Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Westman Marine	The Westman Marine Site is located in Blaine in the southeastern portion of the Blaine Harbor Industrial area. The Site includes both upland and aquatic land. Under an agreed order, the Port completed the RI/FS in August 2020 and a CAP was finalized by Ecology in July 2023. Surface soil samples showed that contaminant concentrations are generally low, but there were a number of samples over state cleanup levels for metals and carcinogenic polycyclic aromatic hydrocarbons (cPAHs). Current and future work includes development of a Consent Decree for cleanup construction, engineering design, cleanup construction, and long-term monitoring.	Partially under agreement	Engineering design is in progress. The project plans to start construction in the 2025-27 biennium. These funds will be needed to support the construction phase of work.	2,835,072	Blaine	Whatcom	42	1 - Nooksack	48.99	-122.76
Lower Duwamish (Seattle Public Utility)	The Lower Duwamish Waterway (LDW) is a Superfund Site that includes approximately five miles of waterway extending downstream to the southern tip of Harbor Island in Seattle. Contaminants of concern include polychlorinated biphenyls (PCBs), arsenic, carcinogenic polycyclic aromatic hydrocarbons (cPAHs), dioxins/furans, phthalates, and other hazardous substances. The Lower Duwamish Waterway Group (LDWG) partners have been actively implementing remedial actions to ensure sources of contamination to the LDW are sufficiently controlled. Project proponents are currently finalizing the engineering design of the Upper Reach (a 2-mile segment of the waterway) in preparation for cleanup construction, scheduled to begin in fall 2024. Engineering design is actively in progress for the Middle Reach and will extend into the 2025-27 biennium. Design of the Lower Reach is also expected to start in 2025. Cleaning up the LDW will help protect public health, sensitive estuarine habitats, and aquatic species that depend on these habitats.	Under agreement	LDWG has completed the design for the Upper Reach. The process of negotiating the consent decree has taken longer than anticipated resulting in EPA issuing a Unilateral Administrative Order to proceed with construction of the Upper Reach in fall 2024. Negotiations for the CD are still in progress. The LDWG partners are still required to complete construction under the UAO. Funds will be needed to support Upper Reach construction and design and construction of the Middle Reach which is actively in progress.	1,128,184	Seattle	King	34	9 - Duwamish - Green	47.57	-122.35
Weyerhaeuser Mill A	Work to be performed under this grant/loan agreement includes completion of the remedial Investigations, the feasibility study, and engineering design. Current funding should allow for entry into the Consent Decree. Following the entry of the Consent Decree, engineering design, permitting, and cleanup construction will be executed. Cleanup construction is anticipated to commence in 2026, and will span multiple biennia.	Under agreement	Money will support permitting work and studies, along with advancing the PRDI (Pre Remedial Design Investigation) and EDR (Engineering Design report). Contracting for initial phase of cleanup to include CDF (Confined Disposal Facility) and dredging will need funding. Without this funding the site will not be able to initiate contracting for the cleanup.	6,634,465	Everett	Snohomish	38	7 - Snohomish	47.98	-122.23
Tiger Oil N 1st St	Tiger Oil North 1st (a.k.a. Tiger Oil N 1st St Fmr 6013) (CSID#4922 /FSID#477) is an old gas station located at 1808 N 1st. St., Yakima. The City entered into Agreed Order No. DE 19882 to perform interim actions that result in the removal of all remaining gasoline contamination in soil and groundwater at the Site remediating to MTCA standards. Contaminants of Concern: Gasoline is present in groundwater above cleanup levels at the site from historical release(s). Much of the gasoline in groundwater has attenuated over the years; however some gasoline in groundwater remains above cleanup levels on the subject property.	Under agreement	Currently the project is in the Performance Monitoring phase of an Interim Action.	724,026	Yakima	Yakima	14	38 - Naches	46.62	-120.51
Ephrata Landfill	The City of Ephrata began operating the Grant County Ephrata Landfill 1 a.k.a Ephrata Landfill (CSID1692) located at 3803 Neva Lake Rd NW Ephrata, WA 98823 in 1942 and owned and operated it until 1974 that was subsequently leased to the Grant County. Both entities are working to complete the remedial investigation and a feasibility study under Agreed Order DE 3810 . A Cleanup Action Plan (CAP) will be implemented through a Consent Decree.	Under agreement	This funding continues to support Grant County's ability to be compliant with the Agreed Order for the site.	1,963,394	Ephrata	Grant	13	41 - Lower Crab	47.28	-119.58

Project Title	Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Westport City Yard	The City of Westport will conduct environmental site assessment, cleanup planning, an existing conditions analysis, a community engagement plan, market analysis, and develop a vision and action plan for their Maintenance Yard Site. The site is located at 506 N. Montesano St. in Westport, WA (CSID 1492, FSID 14817971). The property is one piece of a larger project envisioned to help reimagine the Pacific Avenue Corridor.	Under agreement	-Westport is a small community with limited resources and the project experienced some delays. Funds will be spent by end of the 2025-27 biennium or made available for lapse.	150,000	Westport	Grays Harbor	19	22 - Lower Chehalis	46.89	-124.10
Former Ferry Terminal	The City of Westport plans to conduct environmental site assessment, cleanup planning, an existing conditions analysis, a community engagement plan, market analysis and develop a Vision and Action Plan for the Former Ferry Terminal/Dump Site. The property is located at the eastern terminus of Pacific Avenue along the shoreline of South Bay and is Grays Harbor County parcel #616110724002. The property is one piece of a larger project envisioned to help reimagine the Pacific Avenue Corridor.	Under agreement	-Westport is a small community with limited resources and the project experienced some delays. Funds will be spent by end of the 2025-27 biennium.	200,000	Westport	Grays Harbor	19	22 - Lower Chehalis	46.89	-124.10
Weyerhaeuser Sawmill	Grays Harbor - Historical Seaport Authority is leading a transformative redevelopment effort on Aberdeen's South Waterfront to create a local and regional recreation and tourism destination and homeport for the Lady Washington and Hawaiian Chieftain tall ships. The Grays Harbor - Historical Seaport Authority will complete Remedial Investigation, Feasibility Studies and Cleanup Actions for uplands and sediments at the Site.	Under agreement	Currently awaiting comments on the draft Remedial Investigation and the Seaport is working to prepare the Feasibility Study. Previously, the Site was slowed substantially by COVID impacts at the local level. The Seaport is committed to finishing up the work under the AO.	297,155	Aberdeen	Grays Harbor	19	22 - Lower Chehalis	46.97	-123.80
TOTAL				**27,686,178**						

Note: The following projects are excluded from the 2025-27 reappropriation estimate because they are expected to be fully spent by the end of the 2023-25 biennium:
1. Kimberly-Clark Worldwide - $3,803 remaining through June 2024
2. IPGs - $58,657 remaining through June 2024

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Capital Project Request

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 2:18PM

Project Number: 40000359
Project Title: 2021-23 Centennial Clean Water Program

Description

Starting Fiscal Year: 2022
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Model Toxics Control Capital Account for Ecology's Centennial Clean Water Program. This program provides grants to public entities to finance the construction of water pollution control facilities and implement nonpoint pollution control activities. Ecology distributes the funds through a statewide competitive rating and ranking process. Grant recipients are public entities that use the funds to address high priority statewide water quality needs. The work done by public entities using these funds is an integral and essential part of the state's strategy to reduce pollution and protect our marine waters, estuaries, lakes, rivers, and groundwater resources. The Centennial Clean Water Program is a critical program for meeting the clean water needs for small, disadvantaged communities. Related to Puget Sound Action Agenda Implementation.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Public entities, local gov'ts, special purpose distr., quasi municipals, fed. recognized tribes.

RCW that establishes grant: Chapter 70.146 RCW

Application process used

Ecology manages an integrated annual funding approach using a joint application, evaluation, and rating and ranking process for the SRF, Centennial Clean Water Program, Stormwater Financial Assistance Program, and the Clean Water Act Section 319 federal grant program. The application period begins in August with applications due mid-October. Ecology staff screen, review, and rate and rank the applications from November through December. The evaluation and points are assigned according to an objective rating system that identifies the highest priority water quality needs statewide. In January, Ecology produces a combined draft project list for the Legislature to use during budget considerations. The list becomes final on July 1 or sooner, contingent on Capital Budget appropriations. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	New Approps
23N-1	MTC Capital Account-State	40,000,000	8,146,000	9,590,000	22,264,000	
	Total	**40,000,000**	**8,146,000**	**9,590,000**	**22,264,000**	**0**

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 2:18PM

Project Number: 40000359
Project Title: 2021-23 Centennial Clean Water Program

Funding

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

OFM

461 - Department of Ecology
Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 2:12PM

Project Number: 40000389
Project Title: 2021-23 Floodplains by Design

Description

Starting Fiscal Year: 2022
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the State Building Construction Account to fund its Floodplains by Design (FbD) grant program that uses an integrated approach to manage Washington's flood-prone areas. According to the state's 2018 Hazard Inventory and Vulnerability Assessment (page 240), "the costs of flood damages exceed the cost of all other natural hazards". Since 1980, flooding has caused more than $2 billion in damages to the state, with highly populated areas in Western Washington severely impacted. Related to Puget Sound Action Agenda Implementation.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Local and tribal gov't, flood control and conservation districts, and non-gov't organizations.

RCW that establishes grant: N/A

Application process used

Pre-applications are screened in March of even years. In August of even years, a technical team of flood risk and ecosystem restoration experts do the project scoring following program funding guidelines. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	50,908,000	13,523,000	15,165,000	22,220,000	
	Total	**50,908,000**	**13,523,000**	**15,165,000**	**22,220,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 2:12PM

Project Number: 40000389
Project Title: 2021-23 Floodplains by Design

Operating Impacts

No Operating Impact

OFM

461 - Department of Ecology
Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:57PM

Project Number: **40000177**
Project Title: **2019-21 Streamflow Restoration Program**

Description

Starting Fiscal Year: 2020
Project Class: Grant - Pass Through
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Watershed Restoration and Enhancement Bond Account to continue implementing the Streamflow Restoration Program under Chapter 90.94 RCW. This law, enacted in 2018, provides $300 million in bond authorization over 15 years to support local watershed planning and projects that will improve instream flows statewide. With this request, Ecology will deliver additional water supplies to improve instream flows for fish and wildlife. Related to Puget Sound Action Agenda Implementation.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

See attached project list for detailed subproject descriptions, statuses, and reappropriation explanations.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Local Entities
RCW that establishes grant: N/A
Application process used

Competitive grants to local entities for projects developed in conformance with ESSB 6091.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
366-1	Wtrshd Rst Enhnc Bnd-State	40,000,000	14,446,000	3,733,000	21,821,000	
	Total	**40,000,000**	**14,446,000**	**3,733,000**	**21,821,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
366-1	Wtrshd Rst Enhnc Bnd-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:57PM

Project Number: 40000177
Project Title: 2019-21 Streamflow Restoration Program

Operating Impacts

No Operating Impact

Ecology Capital Reappropriation Project List

August 2024

Purpose: Identify the subprojects, status, and justification for 2025-27 capital reappropriation requests that were originally funded prior to the 2021-23 biennium. Amount remaining based on expenditures through June 2024.

40000177	2019-21 Streamflow Restoration Program

Project Title	Project Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Kittitas County Public Works	Kittitas County Pilot Metering Program	Under agreement	Ongoing contract and project.	522,044	Various	Kittitas	13	Multiple	Multiple Project Locations	Multiple Project Locations
Aspect Consulting	Water Rights Acquisition Support.	Under agreement	Ongoing contract and project.	1,000,000	N/A	N/A	N/A	N/A	N/A	N/A
Washington Water Trust	Water Rights Technical Assistance	Under agreement	Ongoing contract and project.	230,296	N/A	N/A	N/A	N/A	N/A	N/A
WDFW	2023-25 WATER SCIENCE TEAM SUPPORT	Under agreement	Ongoing contract and project.	249,433	N/A	N/A	N/A	N/A	N/A	N/A
Snohomish Conservation District	Restoring summer stream flow to the Snohomish River requires a comprehensive approach to water storage on the landscape. This project will implement a wetland restoration, beaver pond expansion and small farm water storage program in the Pilchuck River, French Creek, Woods Creek, and Lower Skykomish River subbasins.	Under agreement	Ongoing contract and project.	88,267	Various	Snohomish	39	Multiple	Multiple Project Locations	Multiple Project Locations
Clallam County	The Dungeness Off-Channel Reservoir, would capture high flows in climate-resilient storage for late summer mainstem flow restoration, exempt well mitigation, and small stream restoration via managed aquifer recharge. The project would restore 20-30 cfs of Dungeness River flows by substituting irrigation water supply (typically diverted from the river) with reservoir water. This funded project includes three initial project phases: Land Acquisition, Detailed Design, and Permitting.	Under agreement	Ongoing contract and project.	1,756,134	Various	Clallam	24	17,18	Multiple Project Locations	Multiple Project Locations
AG Water Board of Whatcom County	The project will construct and prioritize the infrastructure necessary to convert water obtained through existing surface water diversions into groundwater withdrawals to leave water in the Lower Nooksack River during times when it is most needed for instream flows. The project will also construct and prioritize infrastructure to provide streamflow augmentation from water sourced through groundwater withdrawals that will enable directly increase instream flows during critical periods.	Under agreement	Ongoing contract and project.	77,782	TBD	Whatcom	42	1	Multiple Project Locations	Multiple Project Locations

Project Title	Project Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
City of Sumner	The RECIPIENT will purchase a surface water right for 0.65 cubic foot per second (CFS) from the Cascade Water Alliance as mitigation for a domestic water right from deep aquifer wells within WRIA 10. This mitigation is part of a RCW 90.94.090 Foster pilot project.	Under agreement	Ongoing contract and project.	491,128	Sumner	Pierce	31	10	TBD	TBD
San Jaun County Clerk	The project's goal is to acquire water right(s) to maintain a at least 1 cubic foot per second (cfs) of instream flow in Cascade Creek throughout the year. Specifically, the project will seek a water rights transfer from Orcas Water Holdings to the Washington Water Trust to protect an additional 0.75 cfs in June, 0.25 cfs in July and August, 0.5 cfs in September and October, and 1.0 cfs in November and December for instream flows in the creek.	Under agreement	Ongoing contract and project.	265,000	TBD	San Jaun	40	2	TBD	TBD
City of Lynden	The Nooksack River Managed Aquifer Recharge (MAR) project goals are to increase river water flows and improve water quality during the low flow summer/fall months and provide water right mitigation by infiltrating river water during the winter/spring when instream flows are being met. The MAR facility will be in a specific hydrogeologic setting where the infiltrated water will provide relatively cool groundwater recharge to the river during the summer/fall.	Under agreement	Ongoing contract and project.	3,960,542	Lynden	Whatcom	42	1	TBD	TBD
Methow Salmon Recovery	Methow Beaver Project, a program of Methow Salmon Recovery Foundation (RECIPIENT), shall implement actions restoring streamflow/floodplain connection in wildfire impacted streams in Okanogan/Methow River watersheds using process-based restoration strategies. Strategies include: post-assisted structure installations, repair of beaver dams, wood placement, planting, and beaver translocation. Increasing scale/severity of wildfire and broad collaboration make restoration actions timely and feasible.	Under agreement	Ongoing contract and project.	564,576	Various	Various	Various	Various	TBD	TBD

Project Title	Project Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
King County Water & Land	The project, Phase 1 of a 2-phase project, will map and prioritize potential sites to install 2 beaver dam analog (BDA) complexes in the Upper Green River Watershed (WRIA 9). We will conduct landowner outreach and work with landowners to select sites, then establish baseline monitoring at the sites of the future (Phase 2) BDA complexes to eventually determine their effectiveness at increasing water storage and streamflow, elevating water tables, restoring stream channels, and recruiting beavers.	Under agreement	Ongoing contract and project.	249,787	Various	Various	Various	9	Multiple Project Locations	Multiple Project Locations
Nisqually Land Trust	The Nisqually Land Trust proposes to collaborate with the WRIA 11 Planning Unit, regional conservation organizations, and a water rights consultant to leverage existing relationships to further investigate water rights identified in the Nisqually Rapid Water Rights Assessment: Prairie Tributaries completed by Washington Water Trust in 2018; and pursue outreach to landowners and water rights holders to determine their willingness to participate in a water rights project to benefit streamflow.	Under agreement	Ongoing contract and project.	96,827	Various	Various	Various	11	TBD	TBD
Nisqually Land Trust	In preparation for the next phase of the Ohop Valley Floodplain Restoration Project, the RECIPIENT will complete pre-acquisition tasks for three properties along the Middle Reach of Ohop Creek.	Under agreement	Ongoing contract and project.	106,802	Various	Various	Various	11	Multiple Project Locations	Multiple Project Locations
City of Tacoma	The RECIPIENT shall investigate a multi-site project to enhance streamflow in the Flett Creek Watershed. Major components include rerouting stormwater flows, enhancing infiltration of stormwater in the South Tacoma Channel, and restoring ecological function of the Flett Wetland and stream channel. The feasibility study shall identify and explore technical, permitting, and administrative elements to guide preliminary project design and identify maintenance needs.	Under agreement	Ongoing contract and project.	151,721	Tacoma	Pierce	Various	Various	Multiple Project Locations	Multiple Project Locations

Project Title	Project Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Nisqually River Foundation	To develop a streamflow restoration strategy and a prioritized list of projects for the Muck Creek watershed within the Nisqually Watershed (WRIA 11). Muck Creek is an important salmon-bearing stream in the Pierce County Prairie Tributaries Sub-Basin. This project is the first phase of a multiphase approach to identify, prioritize, and construct projects that provide increased streamflow and net ecological benefit to the Muck Creek basin.	Under agreement	Ongoing contract and project.	32,410	TBD	TBD	TBD	11	TBD	TBD
City of Walla Walla	This project will inform the RECIPIENT on the feasibility of converting their municipal Well 5 to an Aquifer Storage and Recovery (ASR) facility. The ASR project has the potential to improve streamflow in Mill Creek by diverting water from the creek during high flows for storage in Well 5 in the City of Walla Walla and then using the well to provide water for the city during periods of low flow instead of diverting from the creek.	Under agreement	Ongoing contract and project.	94,489	Walla Walla	Walla Walla	16	32	TBD	TBD
Mid Columbia Fisheries	This proposal would implement a fully designed and permitted restoration project at river mile 3.25 – 4.49 of the Little Naches River in Kittitas and Yakima Counties. Historic land-use practices have left a legacy of negative impacts on the system. The project will restore natural processes, including floodplain inundation and alluvial water storage, that will improve streamflow and benefit water quality, wildlife, and native fish including ESA listed bull trout and steelhead.	Under agreement	Ongoing contract and project.	18,373	Various	Various	Various	37,38	Multiple Project Locations	Multiple Project Locations
WDFW	Evaluate streamflow intermittence and groundwater-surface water exchange to provide key information for streamflow restoration project planning in the Scatter Creek subbasin, near Grand Mound. Scatter Creek is an important tributary to the Chehalis River and is intermittent in certain reaches during the summer low-flow period. Increases in consumptive water use in future decades threaten to further impair valuable salmonid habitat and sustainable water use in the subbasin.	Under agreement	Ongoing contract and project.	222,000	N/A	N/A	N/A	N/A	N/A	N/A

Project Title	Project Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
City of Enumclaw	Return Boise Creek at the Enumclaw Golf Course to its historic natural channel against a forested steep southeastern hillside. The creek will be separated from golf course activities and provide critical water quality and quantity improvements, in-channel habitat, riparian restoration, and natural channel processes. These actions are vitally important for recovery of ESA listed Chinook salmon in the Puyallup-White River watershed (WRIA 10).	Under agreement	Ongoing contract and project.	1,634,306	Enumclaw	King	31	10	TBD	TBD
Trout Unlimited	Improve watershed function, protect water quality, and enhance habitat for salmon in the Lower Greenwater River watershed. The RECIPIENT will restore one mile of the Greenwater River by removing legacy fill and installing large woody debris, plan and design upstream restoration actions for in the Greenwater River, remove and correct fish passage barriers in Midnight Creek, restore hydrologic function in Midnight Creek, and restore approximately three acres of riparian habitat.	Under agreement	Ongoing contract and project.	2,815,878	TBD	TBD	TBD	TBD	Multiple Project Locations	Multiple Project Locations
Wild Fish Conservancy	Will prioritize stream reaches in the Chehalis Basin (WRIA 22/23) and select three to five sites to design, permit, construct, and install beaver dam analogs (BDAs). The RECIPIENT will also assess the effectiveness of BDA restoration. The RECIPIENT will use BDAs to restore the natural processes to increase aquatic habitat diversity, reconnect streams with floodplains, store sediment, promote aquatic productivity, create thermal refugia, store water, and recharge groundwater.	Under agreement	Ongoing contract and project.	305,172	TBD	TBD	TBD	22,23	Multiple Project Locations	Multiple Project Locations
Nisqually Land Trust	Project will improve streamflow in the Nisqually River (WRIA 11) through acquisition of three properties, totaling 84 acres along the Middle Reach of Ohop Creek in Pierce County, Washington. This project will provide protection of 3/4 mile of Ohop Creek Shoreline, 60 acres of floodplain protection, and protection of 1/4 mile of ditched tributaries. Additional benefits include protection of salmon spawning habitat.	Under agreement	Ongoing contract and project.	1,801,906	TBD	Pierce	TBD	11	Multiple Project Locations	Multiple Project Locations

Project Title	Project Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Foster Creek Conservation District	Project will design and install beaver dam analogs, large woody debris, and rock sedimentation structures in Lower East Foster Creek near Waterville in Douglas County, WA. The project will address irregular flow regimes, restore historical wet meadow habitat, and improve spawning habitat for ESA threatened steelhead populations.	Under agreement	Ongoing contract and project.	163,642	Waterville	Douglas	7	TBD	Multiple Project Locations	Multiple Project Locations
Chelan County Natural Resources	Project will improve streamflow in Chumstick, Peshastin, and Mission Creeks through restoration by restoring meadow and stream habitat in four sites near Wenatchee in Chelan County, WA. This project will provide improved floodplain storage in the headwaters and improved habitat for endangered steelhead. Additional benefits include improved water quality, fire resilience, and climate change adaptation.	Under agreement	Ongoing contract and project.	312,577	N/A	Chelan	TBD	47	Multiple Project Locations	Multiple Project Locations
Spokane Conservation District	Project will improve streamflow in the Little Spokane River through installation of a post-assisted beaver dam analog, large woody debris, riparian planting, and bank restructuring at Dartford Creek in Spokane County. This project will provide a reconnected floodplain and restore native redband trout habitat.	Under agreement	Ongoing contract and project.	176,131	TBD	Spokane	6	TBD	TBD	TBD
Washington Water Trust	This project will improve streamflow in the Little Klickitat River through acquisition of approximately 530 acre-feet of consumptive water from two water rights on Spring Creek in Klickitat County. The RECIPIENT will convey the water right to ECOLOGY to be held in the Trust Water Rights Program as instream flow. This project will provide temperature and flow benefits in the lower Little Klickitat River for juvenile rearing of the Mid-Columbia Steelhead by increasing instream flow.	Under agreement	Ongoing contract and project.	1,232,603	N/A	Klickitat	14	TBD	TBD	TBD

Project Title	Project Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Adopt A Stream Foundation	Improve streamflow in North Creek through construction of logjams, beaver dam analogs, or both at several locations in the south Everett area. The RECIPIENT will also conduct outreach to encourage riparian landowners to protect habitat and identify additional sites to place log structures. The project will reduce peak streamflows, increase groundwater recharge, increase the water table, improve channel complexity, improve species diversity, and improve salmon habitat.	Under agreement	Ongoing contract and project.	189,794	Everett	Snohomish	38	TBD	Multiple Project Locations	Multiple Project Locations
Whitworth Water District #2	This project is a source substitution project that provides 400 acre feet of offset to the Little Spokane River in accordance with the adopted Streamflow Restoration Watershed Plan for WRIA 55. In addition, this project will acquire 45 acre feet from water right GWC-5591-A to mitigate impacts to the Spokane River, result in a new mitigated water right permit, and complete construction of groundwater wells and transmission mains to accomplish the source switch.	Under agreement	Ongoing contract and project.	1,470,399	Spokane	Spokane	6	55	TBD	TBD
Washington Water Trust	Evaluate the feasibility of three alternatives for purchasing water rights from Cooke Aquiculture Inc. to reduce water withdrawals from Scatter Creek Aquifer, while supporting streamflow and population growth. Feasibility activities include water rights due diligence, consumptive use analysis, hydrologic benefits analysis, and coordination with partners in the Chehalis Basin. Activities will inform future project development and designs that are deemed feasible and effective.	Under agreement	Ongoing contract and project.	279,056	N/A	TBD	TBD	22,23	Multiple Project Locations	Multiple Project Locations
Future Projects identified as part of the Streamflow Restoration Program	Funding will be allocated to existing and new projects that meet the intent of the SRP to cover existing project cost overruns and change orders or new projects from future grant rounds.	Water supply project typically take 3 to 7 years to implement and complete depending on complexity and scale.	Ecology will continue to implement Streamflow Restoration Projects per RCW 90.94 to improve water supply conditions in basins statewide during the 2025-27 biennium.	1,262,063	Spokane	Spokane	7	54	TBD	TBD
TOTAL				**21,821,138**						

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461 - Department of Ecology
Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:56PM

Project Number: **40000152**
Project Title: **2019-21 Columbia River Water Supply Development Program**

Description

Starting Fiscal Year: 2020
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Columbia River Basin Water Supply Revenue Recovery Account to continue implementing the Columbia River Basin Water Supply Development Program (Chapter 90.90 RCW). This request will fund projects that are in various stages of completion and provide the Office of Columbia River with resources needed to continue project implementation in fucture biennia. Specifically, these funds will: provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water for pending water right applications; develop new, uninterruptible water supply for those presently subject to interruption during times of drought or low flows; develop new municipal, domestic, industrial, and irrigation water throughout the Columbia River basin; and, place one-third of these new water supplies in-stream to meet the flow needs of fish, wildlife, and recreational users. With this investment, Ecology will help meet priority needs of the water users in the Columbia River basin.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

See attached project list for detailed subproject descriptions, statuses, and reappropriation explanations.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Local Entities
RCW that establishes grant: N/A
Application process used

Competitive grants to local entities for projects developed in cooperation with the Columbia River Basin Policy Advisory Group.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	New Approps
057-1	State Bldg Constr-State	27,100,000	12,012,000	5,316,000	9,772,000	
296-1	Col River Bas Wtr Su-State	2,400,000	145,000	714,000	1,541,000	
355-1	St. Bld Const Acct-State	10,500,000	140,000	370,000	9,990,000	
355-B	St. Bld Const Acct-Debt Limit					
	Total	**40,000,000**	**12,297,000**	**6,400,000**	**21,303,000**	**0**

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461 - Department of Ecology
Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:56PM

Project Number: 40000152
Project Title: 2019-21 Columbia River Water Supply Development Program

Funding

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
296-1	Col River Bas Wtr Su-State				
355-1	St. Bld Const Acct-State				
355-B	St. Bld Const Acct-Debt Limit				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

Ecology Capital Reappropriation Project List

August 2024

Purpose: Identify the subprojects, status, and justification for 2025-27 capital reappropriation requests that were originally funded prior to the 2021-23 biennium. Amount remaining based on expenditures through June 2024.

40000152	2019-21 Columbia River Water Supply Devel. Program

Project Title	Project Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Environmental Science Associates	Eightmile Dam Environmental Impact Statement (EIS)	Under agreement	Ongoing Contract and Project	306,764	N/A	N/A	N/A	N/A	N/A	N/A
WDFW	OCR General Project Support	Under agreement	Ongoing Contract and Project	825,645	N/A	N/A	N/A	N/A	N/A	N/A
DOI Bureau of Indian Affairs	Canal Lining and Pipeline Projects in Unit 2 of the Wapato Irrigation Project	Under agreement	Ongoing Contract and Project	1,142,000	Wapato	Yakima	14	37	Multiple Project Locations	Multiple Project Locations
EL 22.1 Landowners	The 2019 Washington State Legislature appropriated $ 15 million to assist in designing, engineering and building the EL (East Low) 22.1 surface water irrigation system in the Odessa subarea to replace deep well irrigation in the declining aquifer as part of the Odessa groundwater replacement program. The system will sufficiently serve 16,612 acres. This grant agreement will primarily fund 100% design for the surface water irrigation system.	Under agreement	Ongoing Contract and Project	419,281	Various	Various	Various	Various	Multiple Project Locations	Multiple Project Locations
East Columbia Irrigation District	EL 22.1 Landowner's Association established agreement WROCR-1921-ElLOA-00012 with Ecology for East Low (EL) 22.1 Surface Water Irrigation System 30% Design. The RECIPIENT will oversee corollary electrical work, perform design review/coordination, and engage in related activities as directed by OCR. Work includes electrical studies/design/construction, design review/coordination, and related activities. RECIPIENT will contract with GPUD to complete the PROJECT as described in the scope of work.	Under agreement	Ongoing Contract and Project	6,580,636	Various	Various	Various	Various	Multiple Project Locations	Multiple Project Locations
Cascadia Conservation District	The Icicle Creek Watershed Assessments and Beaver Dam Analog Supplementation project will identify sites for habitat reconnection and restoration through barrier assessments and low-tech processed based habitat restoration (LTPBR) in Icicle Creek watershed. Secondarily, LTPBR techniques will be installed along Rat Creek.	Under agreement	Ongoing Contract and Project	90,922	Various	Various	Various	Various	Multiple Project Locations	Multiple Project Locations

Project Title	Project Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Washington State Association of Counties	Provides technical assistance and support of County Commissioners/Watershed planners for project development and implementation for Columbia River Water Management Program.	Under agreement	Ongoing Contract and Project	107,879	N/A	N/A	N/A	N/A	N/A	N/A
East Columbia Irrigation District	OGWRP delivery systems, such as the EL 86.4 and 11.8, will provide groundwater replacement supplies in the Odessa Sub-aquifer area. For example, combined, those two systems would deliver to approximately 13,000 acres. Along with the ELC improvements (Radial Gate Improvements) that are ongoing to ensure that the ELC has the capacity to deliver water to the delivery systems that the ECBID is currently working on, this work will be performed in the 2022-through 2025 calendar years.	Under agreement	Ongoing Contract and Project	1,119,928	Various	Various	Various	Various	Multiple Project Locations	Multiple Project Locations
Walla Walla County Conservation District	Install a series of engineered log structures on Coppei Creek in Walla Walla County, Washington (WRIA 32).	Under agreement	Ongoing Contract and Project	107,410	N/A	Walla Walla	16	32	Multiple Project Locations	Multiple Project Locations
City of Walla Walla	To design the upgrade of City of Walla Walla Well #5 to be capable of Aquifer Storage and Recovery (ASR). Under this phase a consultant working with the City will design the well site, get site plan approvals, prepare plan specifications and bid documents. This design work will get the project shovel ready.	Under agreement	Ongoing Contract and Project	249,238	Walla Walla	Walla Walla	16	32	TBD	TBD
Tri-State Steelheaders	Design project seeks to address a passage barrier for Mid-Columbia Summer Steelhead, bull trout, and reintroduced spring chinook from the Colville St to 3rd Ave section of the Mill Creek flood control channel in downtown Walla Walla. The goal of this project is to take the conceptual design to final design with a plan set and report ready for a construction project.	Under agreement	Ongoing Contract and Project	271,000	Walla Walla	Walla Walla	16	32	TBD	TBD
Future Projects identified as part of the Columbia River Basin Initiative	Funding is used to implement projects identified as part of the Columbia River Basin Initiative per RCW 90.90.	Water supply project typically take 3 to 7 years to implement and complete depending on complexity and scale. Columbia River Basin projects often have multiple phases to implement due to the large geographic area that water supply improvements encompass throughout the Columbia River Basin.	Ecology will continue to implement Columbia River Basin Projects per RCW 90.90 in coordination with the Columbia River Policy Advisory Group to improve water supply conditions basinwide during the 25-27 biennium.	10,082,599	TBD	TBD	TBD	TBD	TBD	TBD
TOTAL				**21,303,302**						

OFM

461 - Department of Ecology
Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:00PM

Project Number: **40000606**
Project Title: **Improving Air Quality in Overburdened Communities Initiative**

Description

Starting Fiscal Year: 2024
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Air Quality and Health Disparities Improvement Account to establish and implement a new grant program to incentivize the reduction of emissions from mobile and other impacting sources, which current data indicates is the major cause of criteria air pollution in many communities. Under section 3 of the Climate Commitment Act, RCW 70A.65.020, Ecology is required to take actions to reduce criteria air pollutant emissions in identified overburdened communities highly impacted by air pollution. These include emissions from both stationary and mobile/other impacting sources. The emission sources addressed through this grant program may include, but are not limited to, dust, outdoor burning, solvent use, and non-road vehicles. Based on discussions with stakeholders, Ecology plans to design the requested grant program structure and projects in coordination with the identified overburdened communities.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

This project requires a total of 4.89 FTEs to develop and implement non-regulatory emission reduction mechanisms. A lead Environmental Planner will provide oversight, manage implementation of the program, and supervise staff. Additional staff will build community partnerships, identify funding opportunities, and manage grants and contracts.

Proviso

N/A

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: TBD
RCW that establishes grant: RCW 70A.65.280
Application process used

Grant staff requested in fiscal year 2024 would work with identified overburdened communities to determine appropriate projects and develop grant guidelines to award and distribute funding requested to begin in fiscal year 2025.

Growth Management impacts

Indeterminate

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
26E-1	AirQualHeaDispImpAcc-State	21,400,000		324,000	21,076,000	

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:00PM

Project Number: 40000606
Project Title: Improving Air Quality in Overburdened Communities Initiative

Funding

Total	**21,400,000**	**0**	**324,000**	**21,076,000**	**0**

		Future Fiscal Periods			
		2027-29	**2029-31**	**2031-33**	**2033-35**
26E-1	AirQualHeaDispImpAcc-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 2:20PM

Project Number: 40000340
Project Title: 2021-23 Eastern Washington Clean Sites Initiative

Description

Starting Fiscal Year: 2022
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Model Toxics Control Capital Account to continue the initiative to have a statewide cleanup program by making investments outside of the Puget Sound Basin and Western Washington. There are properties in Eastern Washington contaminated with hazardous wastes that have been abandoned or have owners unwilling or unable to pay for site investigation and cleanup. Without cleanup, these sites pose threats to public health, the environment, groundwater, and fish and wildlife resources. Cleaning up these sites protects public and environmental health, creates jobs, and promotes economic growth as the sites are redeveloped.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A
Application process used

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
23N-1	MTC Capital Account-State	20,820,000	578,000	66,000	20,176,000	
	Total	**20,820,000**	**578,000**	**66,000**	**20,176,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 12:38PM

Project Number: **92000200**
Project Title: **North Shore Levee**

Description

Starting Fiscal Year: 2024
Project Class: Grant - Pass Through
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the State Building Construction Account to match federal funding for the Aberdeen-Hoquiam flood protection project.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appppropriations minus expenditures through June 2024 Fiscal Month 12.

Proviso

Yes

Location

City: Aberdeen **County:** Grays Harbor **Legislative District:** 024

Project Type

Grants

Grant Recipient Organization: City of Aberdeen
RCW that establishes grant: N/A
Application process used

N/A

Growth Management impacts

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	18,500,000			18,500,000	
	Total	**18,500,000**	**0**	**0**	**18,500,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:20PM

Project Number: **40000567**
Project Title: **2023-25 Sewer Overflow & Stormwater Reuse Municipal Grants Prog**

Description

Starting Fiscal Year: 2024
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the General Fund - Federal Account to use in the Sewer Overflow and Stormwater Reuse Municipal Grants (OSG) Program. Urban stormwater is a significant source of water pollution and can be a public health concern. When mixed with domestic and industrial wastewater in combined sewers, stormwater can also contribute to combined sewer overflows during heavy storm events. Many communities often face financial challenges trying to correct these issues given the costs to construct, operate, and maintain the infrastructure. This program provides funding for critical stormwater infrastructure projects in communities to address water pollution and combined sewer overflows (CSO) and sanitary sewer overflows (SSO). Related to Puget Sound Action Agenda Implementation.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Proviso

N/A

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A

Application process used

The OSG Grant Program will be incorporated into the Ecology Water Quality Combined Funding Program (WQC). WQC provides annual funding to projects that improve and protect water quality throughout Washington. The program combines state and federal funding sources to provide grants and loans to these projects. Projects will be evaluated under the WQC rating and ranking process that prioritizes projects that provide a high level of water quality benefit and value with additional considerations for projects that address the needs of financially disadvantaged communities. Applicants submit just one application to seek funding from all of the funding sources within the WQC. Costs include maintenance and updates to the grant/loan applications in Ecology's grant and loan system.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
001-2	General Fund-Federal	16,700,000			16,700,000	
	Total	**16,700,000**	**0**	**0**	**16,700,000**	**0**

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Version: 02 2025-27 Agency Request

Report Number: CBS002
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Project Number: 40000567
Project Title: 2023-25 Sewer Overflow & Stormwater Reuse Municipal Grants Prog

Funding

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
001-2	General Fund-Federal				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 2:00PM

Project Number: **40000422**
Project Title: **2021-23 Yakima River Basin Water Supply**

Description

Starting Fiscal Year: 2022
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the State Building Construction Account to continue implementing Yakima River Basin Integrated Water Resources Management Plan (Plan) in cooperation with the U.S. Bureau of Reclamation and local stakeholders. Current water resources infrastructure, programs, and policies in the Yakima River Basin are unable to consistently meet the Basin's environmental and economic demands, including supporting aquatic resources, fish and wildlife habitat, dry-year irrigation, and municipal water supplies. A diverse set of local stakeholders developed the Plan to provide a comprehensive, long-term water resources and habitat improvement program to address this situation. This program will support the regional economy and protect the environment.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Local Entities
RCW that establishes grant: Legislative Appropriation
Application process used

Competitive grants to local entities for projects developed in cooperation with the Yakima Basin Working group. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	42,000,000	24,280,000	1,416,000	16,304,000	
	Total	**42,000,000**	**24,280,000**	**1,416,000**	**16,304,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

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Project Number: 40000422
Project Title: 2021-23 Yakima River Basin Water Supply

Operating Impacts

No Operating Impact

OFM

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:54PM

Project Number: **40000144**
Project Title: **2019-21 Stormwater Financial Assistance Program**

Description

Starting Fiscal Year: 2020
Project Class: Grant - Pass Through
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Model Toxics Control Stormwater Account to continue to fund Ecology's Stormwater Financial Assistance Program. The program provides grants to public entities to finance stormwater retrofit projects that treat polluted stormwater in priority areas throughout the state. The work accomplished by local governments helps reduce toxics and other pollution from entering our waterways and protect our marine waters, estuaries, lakes, rivers, and groundwater resources. Funding is awarded through an integrated competitive rating and ranking process to ensure projects provide good water quality value and address problems from existing urban development.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

See attached project list for detailed subproject descriptions, statuses, and reappropriation explanations.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Counties, cities, towns, and port districts
RCW that establishes grant: N/A
Application process used

Ecology manages an integrated annual funding approach using a joint application, evaluation, and rating and ranking process for the SRF, Centennial Clean Water Program, Stormwater Financial Assistance Program, and the Clean Water Act Section 319 federal grant program. The application period begins in August with applications due mid-October. Ecology staff screen, review, and rate and rank the applications from November through December. The evaluation and points are assigned according to an objective rating system that identifies the highest priority water quality needs statewide. In January, Ecology produces a combined draft project list for the Legislature to use during budget considerations. The list becomes final on July 1 or sooner, contingent on Capital Budget appropriations.

Growth Management impacts

N/A

Funding

			Expenditures		2025-27 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
23R-1	MTC Stormw Account-State	49,006,000	27,873,000	5,224,000	15,909,000	
	Total	**49,006,000**	**27,873,000**	**5,224,000**	**15,909,000**	**0**

Future Fiscal Periods

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Version: 02 2025-27 Agency Request

Report Number: CBS002
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Project Number: 40000144
Project Title: 2019-21 Stormwater Financial Assistance Program

Funding

		2027-29	2029-31	2031-33	2033-35
23R-1	MTC Stormw Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

Ecology Capital Reappropriation Project List

August 2024

Purpose: Identify the subprojects, status, and justification for 2025-27 capital reappropriation requests that were originally funded prior to the 2021-23 biennium. Amount remaining based on expenditures through June 2024.

40000144	2019-21 Stormwater Financial Assistance Program

Project Title	Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
EVERETT CITY OF	This project will improve water quality in Beverly Lake through installation of GULD-approved stormwater treatment devices on the City of Everett storm sewer system near discharge points to Beverly Lake. This project will provide treatment for total suspended solids (TSS).	Under agreement	Project expected to reach completion in 2025-27 biennium.	652,324	Everett	Snohomish	38	7	47.93	-122.23
EDMONDS CITY OF	This project will improve water quality in the Perrinville Creek through installation of Underground Injection Control (UIC) wells and treatment facilities at Seaview Park in the City of Edmonds, Washington. This project will provide treatment for total suspended solids (TSS). Additional benefits of this project include reducing flows by use of a flow splitter.	Under agreement	Project expected to reach completion in 2025-27 biennium.	14,637	Edmonds	Snohomish	21	8	47.83	-122.34
PULLMAN CITY OF	This project will improve water quality in the South Fork Palouse River through the development of an Enhanced Maintenance Plan and the design of a stormwater decant facility in the City of Pullman. The City's existing facility is undersized and not connected to the sanitary sewer system. Once constructed, the new facility will allow the removal and treatment of polluted sediments from the City's stormwater system.	Under agreement	Project expected to reach completion in 2025-27 biennium.	15,955	Pullman	Whitman	9	34	46.73	-117.16
VANCOUVER CITY OF	This project will improve water quality in the Columbia River and the Troutdale Aquifer through development of a stormwater retrofit plan that guides installation of water quality facilities within the City of Vancouver's Columbia Slope. This project will provide treatment for total suspended solids (TSS), oil (total petroleum hydrocarbons), dissolved copper, dissolved zinc, and total phosphorus. Additionally, this project will help protect drinking water support habitat restoration.	Under agreement	Project expected to reach completion in 2025-27 biennium.	74,814	Vancouver	Clark	49	28	45.63	-122.54
VANCOUVER CITY OF	This project will improve water quality in the Troutdale Aquifer (sole source aquifer) and the Columbia River via the Aquifer through installation of TAPE-approved BMPs for Basic Treatment at SE Mill Plain Blvd between 148th and 164th Avenues in the City of Vancouver. This project will provide treatment for total suspended solids (TSS). Additional benefits of this project include protection of sole source aquifer drinking water supplies for the City of Vancouver.	Under agreement	Project expected to reach completion in 2025-27 biennium.	1,225,753	Vancouver	Clark	49	28	45.63	-122.54
BATTLE GROUND CITY OF	This project will improve water quality in the city of Battleground by removing total suspended solids (TSS), copper, zinc, heavy metals, oil, bacteria, and phosphorous from roadways through developing and implementing an Enhanced Maintenance Plan. Implementing the Enhanced Maintenance Plan will better protect Salmon Creek and East Fork Lewis River drainages.	Under agreement	Project expected to reach completion in 2025-27 biennium.	51,066	Battle Ground	Clark	18	28	45.78	-122.54
BELLEVUE CITY OF	The RECIPIENT will improve water quality in the city of Bellevue by removing total suspended solids (TSS) from roadways before they can be carried by stormwater from tributary creeks into Lake Washington and Lake Sammamish. The RECIPIENT will develop and implement an Enhanced Maintenance Plan (EMP) to assess options for removing pollutants from the stormwater system and providing pollutant source control.	Under agreement	Project expected to reach completion in 2025-27 biennium.	201,262	Bellevue	King	41	8	47.60	-122.15

Project Title	Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
BELLINGHAM CITY OF	This project will improve water quality in Lake Whatcom through the retrofit of an existing stormwater treatment facility in the 2000 block of Northshore Drive in the city of Bellingham. This project will reduce total suspended solids (TSS), dissolved Copper and Zinc, and total phosphorus by replacing the existing sand filter with media designed to maximize phosphorus removal. This project will also reduce flows to Lake Whatcom by increasing stormwater infiltration.	Under agreement	Project expected to reach completion in 2025-27 biennium.	532,888	Bellingham	Whatcom	42	1	48.75	-122.47
BELLINGHAM CITY OF	This project will improve water quality in Little Squalicum Creek through installation of bioretention and proprietary treatment BMPs in the Birchwood neighborhood in the city of Bellingham. This project will provide basic and enhanced stormwater treatment, including treatment for total suspended solids (TSS), dissolved copper, and dissolved zinc, and oil control. This retrofit will also reduce flows to Little Squalicum Creek by increasing stormwater infiltration.	Under agreement	Project expected to reach completion in 2025-27 biennium.	495,708	Bellingham	Whatcom	42	1	48.75	-122.47
BURIEN CITY OF	This project will improve water quality in Miller Creek through installation of bioretention, permeable surfaces, and underground infiltration facilities at Mosier Park in the city of Burien. This project will provide treatment for total suspended solids (TSS), dissolved copper, dissolved zinc, and total phosphorus and will also reduce flows to Miller Creek by increasing stormwater infiltration.	Under agreement	Project expected to reach completion in 2025-27 biennium.	327,056	Burien	King	33	9	47.46	-122.33
FIRCREST CITY OF	This project will improve water quality in Leach Creek through installation of four pre-treatment devices and one basic treatment device, each with GULD (General Use Level Designation), at five Leach Creek outfall locations within the City of Fircrest. This project will provide pre-treatment for most of the project area and basic treatment, removal of total suspended solids (TSS), for a small contributing area.	Under agreement	Project expected to reach completion in 2025-27 biennium.	35,069	Fircrest	Pierce	28	12	47.23	-122.52
ILWACO CITY OF	This project will improve water quality in the Lower Columbia River Estuary by installing permeable pavements, bioretention facilities, and compost amended vegetated filter strips, as well as de-paving along Howerton Ave in the City of Ilwaco. TAPE GULD basic treatment and pretreatment devices may also be used for the contributing area. This project will provide treatment for total suspended solids (TSS), dissolved copper, and dissolved zinc and will reduce flows through stormwater infiltration.	Under agreement	Project expected to reach completion in 2025-27 biennium.	1,479,277	Ilwaco	Pacific	19	24	46.30	-124.01
KIRKLAND CITY OF	This project will improve water quality in the Forbes Creek through design and construction of treatment and infiltration wells in the City of Kirkland. The project will provide basic treatment and the extent of removal of other pollutants will depend upon the soil quality at the UIC well location. The project will also provide flow control for Forbes Creek by increasing stormwater infiltration. Groundwater recharge is an additional benefit of this project.	Under agreement	Project expected to reach completion in 2025-27 biennium.	862,760	Kirkland	King	45	8	47.70	-122.20
MUKILTEO CITY OF	This project will improve water quality in seven watersheds, including Brewery and Edgewater Creeks, Goat Trail Ravine, Japanese Gulch, Naketa Beach, Olympic View, and Possession Sound, through the inspection and cleaning of stormwater conveyance pipes in the city of Mukilteo.	Under agreement	Project expected to reach completion in 2025-27 biennium.	129,865	Mukilteo	Snohomish	39	7	47.95	-121.79
OLYMPIA CITY OF	This project will improve water quality in the City of Olympia by removing street waste containing sediment, total metals, oil, and phosphorus from roadways before it is carried by stormwater to Budd Inlet, Capitol Lake, and various creeks. This project will include development of an Enhanced Maintenance Plan (EMP), purchase of necessary equipment, an operations and maintenance plan for the purchased equipment, and initial implementation and assessment of activities outlined in the EMP.	Under agreement	Project expected to reach completion in 2025-27 biennium.	739,241	Olympia	Thurston	22	13	47.04	-122.90

Project Title	Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
PUYALLUP CITY OF	This project will improve water quality in the Clarks Creek through installation of permeable pavement at 9th Avenue SW from 5th Street SW to S Meridian in the city of Puyallup. This project will provide treatment for total suspended solids (TSS), reduce levels of dissolved copper and dissolved zinc, and will also reduce flows to Clarks Creek by increasing stormwater infiltration.	Under agreement	Project expected to reach completion in 2025-27 biennium.	631,166	Puyallup	Pierce	25	10	47.18	-122.30
TACOMA CITY OF	This project will improve water quality in Tacoma-area receiving waters by adapting the Nature Conservancy's Puget Sound Stormwater Heatmap to create a Tacoma-specific stormwater management plan. The adapted tool will assist RECIPIENT staff with stormwater management decisions assisting in prioritizing locations for implementation of best management practices (BMPs) and will help define which BMP types and configurations would best meet water quality goals for Tacoma-area receiving waters.	Under agreement	Project expected to reach completion in 2025-27 biennium.	27,927	Tacoma	Pierce	27	12	47.22	-122.45
TACOMA CITY OF	This project will improve water quality in the City of Tacoma by removing total suspended solids and other related pollutants from roadways before they can be carried by stormwater into the receiving waters of Tacoma. This project will include development of an Enhanced Maintenance Plan (EMP), purchase of necessary equipment, an operations and maintenance plan for the purchased equipment, and initial implementation and assessment of activities outlined in the EMP.	Under agreement	Project expected to reach completion in 2025-27 biennium.	232,984	Tacoma	Pierce	27	12	47.22	-122.45
TACOMA CITY OF	This project will improve water quality in Commencement Bay through the inspection and cleaning of stormwater conveyance pipes in the city of Tacoma. This project will include development of an Enhanced Maintenance Plan (EMP) and initial implementation and assessment of activities outlined in the EMP.	Under agreement	Project expected to reach completion in 2025-27 biennium.	83,165	Tacoma	Pierce	27	10	47.27	-122.40
TACOMA CITY OF	This project will test the use of water treatment residual (WTR)-based media for total suspended solids (TSS) and phosphorus removal through the installation of a test facility at the Lake Union Ship Canal Research Facility. The desired outcome of this project is to obtain a General Use Level Designation (GULD) for basic and phosphorus treatment by WTR-based media per the 2018 Technical Guidance Manual for Evaluating Emerging Stormwater Treatment Technologies (TAPE 2018).	Under agreement	Project expected to reach completion in 2025-27 biennium.	24,063	Tacoma	King	43	8	47.66	-122.32
TOWN OF TONASKET	This project will improve water quality in the Okanogan River through installation of hydrodynamic separators along State Route 97 in the City of Tonasket. This project will provide treatment for total suspended solids (TSS).	Under agreement	Project expected to reach completion in 2025-27 biennium.	1,038,700	Tonasket	Okanogan	7	49	48.70	-119.44
VANCOUVER CITY OF	This project will improve water quality in the Columbia River and shallow groundwater through installation of stormwater TAPE GULD-approved Best Management Practices (BMPs) for Basic Treatment at Columbia Business Center, adjacent to the north shore of the Columbia River in the City of Vancouver. This project will provide treatment for total suspended solids (TSS).	Under agreement	Project expected to reach completion in 2025-27 biennium.	1,312,843	Vancouver	Clark	49	28	45.62	-122.64
VANCOUVER CITY OF	This project will improve water quality in the Columbia River and Troutdale Aquifer through installation of bioretention and permeable pavement facilities within the Simpson and Thompson Avenue Sub-basins in the City of Vancouver. This project will provide treatment for total suspended solids (TSS), dissolved copper, and dissolved zinc and will also reduce water flows to the Columbia River by increasing stormwater infiltration. This project also serves to help green a disadvantaged community.	Under agreement	Project expected to reach completion in 2025-27 biennium.	1,688,653	Vancouver	Clark	49	28	45.64	-122.69

Project Title	Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
LYNDEN CITY OF	This project will improve water quality in the City of Lynden by removing total suspended solids (TSS), road materials, and debris before they can be carried by stormwater into Fishtrap Creek, a tributary of the Nooksack River. This project will include development of an Enhanced Maintenance Plan (EMP), an Operations and Maintenance Plan, and initial implementation and assessment of activities outlined in the EMP.	Under agreement	Project expected to reach completion in 2025-27 biennium.	225,141	Lynden	Whatcom	42	1	48.95	-122.46
EVERETT CITY OF	This project will improve water quality in the Snohomish River through installation of Proprietary Treatment Facilities at Lenora Street in the City of Everett. This project will provide treatment for total suspended solids (TSS), oil (total petroleum hydrocarbons), dissolved copper, dissolved zinc, and total phosphorus. Additional benefits of this project include preparing for subsequent phases which will provide additional stormwater benefits and reduce local conveyance capacity concerns.	Under agreement	Project expected to reach completion in 2025-27 biennium.	3,807,094	Everett	Snohomish	38	7	47.93	-122.23
TOTAL				**15,909,411**						

OFM

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Capital Project Request

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:49PM

Project Number: **40000474**
Project Title: **2023-25 Reducing Diesel Greenhouse Gases(GHG) and Toxic Emissions**

Description

Starting Fiscal Year: 2024
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Model Toxics Control Capital Account to fund a pass-through grant program to scrap and replace diesel school buses with zero emission buses. In addition to school bus replacement, pass-through grant funding will continue to support installation of idle reduction technology, diesel engine replacement, and other diesel vehicle replacement, especially in disproportionately impacted communities.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Proviso

No

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Multiple entities
RCW that establishes grant: None
Application process used

Grant awards will be made considering the viability of technology or program proposed, cost of the project, readiness to proceed, percent cost share, and estimated toxic and greenhouse gas emissions reduced as a result of the project. Ecology will also consider how the project will reduce exposure to sensitive populations (children, elderly, and those with existing disease), and economically disadvantaged communities. Ecology will utilize the Department of Health's Washington Tracking Network mapping tool to help prioritize those populations that have historically been disproportionately impacted by air pollution. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system

Growth Management impacts

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	New Approps
23N-1	MTC Capital Account-State	15,632,000		242,000	15,390,000	
	Total	**15,632,000**	**0**	**242,000**	**15,390,000**	**0**

Future Fiscal Periods			
2027-29	2029-31	2031-33	2033-35

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:49PM

Project Number: 40000474
Project Title: 2023-25 Reducing Diesel Greenhouse Gases(GHG) and Toxic Emissions

Funding

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

OFM

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Capital Project Request

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 12:59PM

Project Number: **40000611**
Project Title: **Landfill Methane Capture**

Description

Starting Fiscal Year: 2024
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Climate Commitment Account to administer a grant program for landfills to comply with methane emission requirements established in chapter 70A.540 RCW.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: N/A
RCW that establishes grant: 70A.540 RCW
Application process used

Ecology Grant Process through EAGL

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
26C-1	Climate Commit Accou-State	15,000,000		409,000	14,591,000	
	Total	**15,000,000**	**0**	**409,000**	**14,591,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
26C-1	Climate Commit Accou-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

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461 - Department of Ecology
Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:48PM

Project Number: **40000475**
Project Title: **2023-25 Coastal Wetlands Federal Funds**

Description

Starting Fiscal Year: 2024
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the from the General Fund - Federal Account to finance the National Coastal Wetlands Conservation grant program, administered by the U.S. Fish & Wildlife Service, if Ecology is successful in receiving additional grants. Ecology administers the pass through of these federal grants to other state and local government entities. This provides financing to protect important coastal and estuarine areas that have significant conservation, recreation, or ecological value. Coastal wetlands make up less than 10 percent of the nation's land area, but support a wealth of plant and animal resources. Washington's coastal areas support a high percentage of threatened and endangered species, fishery resources, migratory songbirds, and migrating and wintering waterfowl. Related to Puget Sound Action Agenda Implementation.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Proviso

N/A

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Unknown until grant awards are made.

RCW that establishes grant: N/A

Application process used

None. Ecology helps local and tribal governments, state agencies, and nonprofit organizations apply for federal funding. Funding applications for National Coastal Wetlands Conservation grants are due in June.

Growth Management impacts

None; some local governments may secure grants to protect wetlands within their jurisdictions.

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
001-2	General Fund-Federal	14,000,000			14,000,000	
	Total	**14,000,000**	**0**	**0**	**14,000,000**	**0**

Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:48PM

Project Number: 40000475
Project Title: 2023-25 Coastal Wetlands Federal Funds

Funding

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
001-2	General Fund-Federal				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 11:23AM

Project Number: **30000216**
Project Title: **Remedial Action Grant Program**

Description

Starting Fiscal Year: 2012
Project Class: Grant - Pass Through
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Model Toxics Control Capital Account to fund its Remedial Action Grant (RAG) pass-through program to help local governments clean up contaminated sites in Washington. RAGs support cleanup at contaminated industrial sites that affect the air, land, and water resources of the state, and the continued cleanup of Puget Sound. This grant funding will protect public and environmental health, create jobs, promote economic growth through the redevelopment of contaminated properties, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

See attached project list for detailed subproject descriptions, statuses, and reappropriation explanations.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Statewide
RCW that establishes grant: Chapter 70A.305 RCW; 90.48 RCW
Application process used

To receive an oversight remedial action grant, the applicant must be a local government that is a potentially liable person (PLP), a potentially responsible party (PRP) at a hazardous waste site, or the owner of a site but not a PLP or PRP. One of the following standards must also be met: 1. Ecology requires the applicant to conduct remedial action under an order or decree issued under chapter 70A.305 RCW. 2. The U.S. Environmental Protection Agency (EPA) requires the applicant to conduct remedial action under an order or decree issued under the federal cleanup law. In such a case, Ecology must also sign the order or decree or acknowledge in writing that it is a sufficient basis for remedial action grant funding. 3. The applicant has signed an order or decree issued under chapter 70A.305 RCW requiring a potentially liable person (PLP) other than the applicant to conduct remedial action at a landfill site. In this case, the applicant must also have entered into an agreement with the PLP to reimburse the PLP for a portion of the remedial action costs incurred under the order or decree. The reimbursement is for the sole purpose of providing relief to ratepayers and/or taxpayers from remedial action costs. There is no set application period for oversight remedial action grants. Once an order or decree has been issued to a local government, it has 60 days to apply for a grant.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps

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Capital Project Request

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 11:23AM

Project Number: 30000216
Project Title: Remedial Action Grant Program

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
174-1	Local Toxics Control-State	44,261,000	44,261,000			
23N-1	MTC Capital Account-State	18,008,000	3,980,000	1,341,000	12,687,000	
	Total	**62,269,000**	**48,241,000**	**1,341,000**	**12,687,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
174-1	Local Toxics Control-State				
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

Ecology Capital Reappropriation Project List

August 2024

Purpose: Identify the subprojects, status, and justification for 2025-27 capital reappropriation requests that were originally funded prior to the 2021-23 biennium. Amount remaining based on expenditures through June 2024.

30000216	Remedial Action Grant Program

Project Title	Project Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
R.G. Haley	In April 2018, following public review, Ecology finalized a Cleanup Action Plan (CAP) for the Site. An engineering design report reflecting these refinements was finalized in May 2022. Contaminants are present in soil, soil vapor, groundwater, and sediment at concentrations that represent a potential threat to human and ecological health. Contaminants include petroleum hydrocarbons, polycyclic aromatic hydrocarbons, pentachlorophenol, and dioxins/furans. This project is preparing to begin cleanup construction in 2025.	Under agreement	Construction is scheduled to start in 2025.	298,977	Bellingham	Whatcom	42	1 - Nooksack	48.74	-122.49
South State St MGP	The South State Street Manufactured Gas Plant site is about 6 acres located on Bellingham Bay, which includes both upland and marine areas. Contamination releases to soil, groundwater and sediment contamination resulted from a manufactured gas plant and other historic operations. A cleanup action plan was finalized in August 2020 and a pre-remedial design investigation data report was completed in June 2023. The site is currently in engineering design.	Under agreement	Engineering design is in progress with construction expected to start in the 2025-27 biennium. The project does not have appropriated funds beyond this allocation. These funds will be needed to keep the project moving forward on schedule.	2,726,716	Bellingham	Whatcom	40	1 - Nooksack	48.73	-122.50
Cornwall Ave Landfill	The Cornwall Avenue Landfill Site is located in Bellingham along the waterfront. The engineering design phase work has been completed and the consent decree for construction executed. The Port is waiting for the JARPA federal permit, which expected in fall 2024. The project is scheduled to begin cleanup construction in 2025.	Under agreement	Construction is scheduled to start in 2025.	544,425	Bellingham	Whatcom	42	1 - Nooksack	48.74	-122.49
Weldcraft Steel & Marine	The Weldcraft Steel & Marine Site is located in the northern corner of the Port of Bellingham's Squalicum Harbor. The primary historical uses of the property include boat repair, maintenance, and fabrication work. Cleanup of the in-water portion of the Site was conducted in 2006 as an interim action (IA). A remedial investigation and feasibility study was completed in 2015. Next steps include finalizing an agreed order and associated cleanup action plan for public review. Pre-remedial design investigations (PRDI) will be required to assess current levels of upland contamination and to evaluate whether the 2006 IA has sufficiently met state sediment cleanup levels that were revised following the IA. These funds will be used to conduct the PRDI and prepare an engineering design report including plans and specifications for the proposed cleanup.	Under agreement	Negotiations for the consent decree for cleanup construction are currently planned to begin in 2025; however, the timing could be delayed if in-water cleanup is required and combined with the uplands work. Design phase spending will still occur in the meantime.	363,617	Bellingham	Whatcom	42	1 - Nooksack	48.76	-122.51
North Boeing (King County)	This site includes land impacted by industrial practices at the Georgetown Steam Plant (GTSP) and North Boeing Field (NBF) properties along the Lower Duwamish Waterway in Seattle. The work is being led by Boeing, Seattle City Light, and King County. The primary site-wide contaminants consist of toxics metals and petroleum (gasoline, diesel, and oils). Polychlorinated biphenyls (PCBs) and carcinogenic polycyclic aromatic hydrocarbons (PAHs) are also present. Currently, the Site is under an agreed order to complete a remedial investigation (RI)/feasibility study (FS) and any necessary interim actions. The RI phase is approaching completion. This funding is supporting completion of the RI/FS.	Under agreement	These funds are currently being used for source control associated with the RI.	36,829	Seattle	King	34	9 - Duwamish - Green	47.54	-122.31

Project Title	Project Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Gas Works	The Gas Works Park Site (GWPS) is situated on the northern shore of Lake Union in Seattle. It consists of an upland area and an in-water sediment area impacted by historical industrial operations including a manufactured gas plant, tar refinery, bulk fuel storage and ship building. A Remedial Investigation/Feasibility Study (RI/FS) for the GWPS, finalized in January 2023. A Consent Decree was executed to implement a Cleanup Action Plan (CAP). These funds will be used toward engineering design and cleanup construction activities to address remaining areas of contamination at the site.	Under agreement	The consent decree for construction is in place and permits have been submitted. Approval of the JARPA is taking longer than anticipated, delaying progress on engineering design and construction. Funding will be needed to continue work in the 2025-27 biennium.	2,783,871	Seattle	King	43	8 - Cedar - Sammamish	47.65	-122.33
South Park Landfill	The historic South Park Landfill Site is located in the South Park neighborhood of Seattle and encompasses a number of properties. The site was used historically for waste disposal in the 1930s or earlier and an automobile wrecking yard . A draft remedial investigation/feasibility study (RI/FS) was finalized in October 2017. The interim action (IA) work plan for the City's parcel went to public comment in December 2023. Ninety percent engineering design plans are in progress for the IA. The City is under an agreed order to implement an IA among other remedial activities. Final design is expected to be completed in 2025. Project delays are attributed to significant scope changes. It is expected that construction for the will occur in 2026.	Under agreement	These funds will be needed in the 2025-27 biennium as the project moves to IA construction, which are expected to begin in 2026.	2,398,077	Seattle	King	34	9 - Duwamish - Green	47.53	-122.33
North Boeing (Seattle Public Utility)	This site includes land impacted by industrial practices at the Georgetown Steam Plant (GTSP) and North Boeing Field (NBF) properties along the Lower Duwamish Waterway in Seattle. The work is being led by Boeing, Seattle City Light, and King County. The primary site-wide contaminants consist of toxics metals and petroleum (gasoline, diesel, and oils). Polychlorinated biphenyls (PCBs) and carcinogenic polycyclic aromatic hydrocarbons (PAHs) are also present. Currently, the Site is under an agreed order to complete a remedial investigation (RI)/feasibility study (FS) and any necessary interim actions. The RI phase is approaching completion.	Under agreement	These funds are currently being used for source control associated with the RI.	110,810	Seattle	King	34	9 - Duwamish - Green	47.54	-122.31
Georgia Pacific	The 74-acre Georgia-Pacific West site is located on Bellingham's waterfront. A pulp and tissue mill operated on the Site from 1926 through 2007. The Chlor-Alkali RAU is comprised of four projects (A-D). A cleanup action plan was completed in September 2021. The Chlor-Alkali RAU is completing the pre-remedial design investigation (PRDI) for the third of four projects. Development of the engineering design report (EDR) is expected to begin in July 2025 and continue through the biennium.	Under agreement	The cleanup is divided into four projects (A-D), each being developed before design of the next one begins. PRDI and engineering design with associated expenditures will likely continue through 2028. Most funds are expected to be used in the 2023-25 biennium. Remaining funds will be needed in the 2025-27 biennium to continue work.	708,209	Bellingham	Whatcom	42	1 - Nooksack	48.75	-122.48
Arkema	This grant supports compliance with Agreed Order DE-5668. The Agreed order includes completion of remedial investigation, feasibility study, and completion of the Cleanup Action Plan at the Arkema/Dunlap Mound Site. The site is currently planning for an interim action. The first phase of the interim action would include the construction of a slurry wall and capping of 12.6 acres.	Under agreement	The Port is working on the interim action work plan and design, which will be submitted to Ecology for review in August/September 2024. The site is planning to issue a call for bids in Summer 2025.	243,356	Tacoma	Pierce	27	10 - Puyallup - White	47.27	-122.38

Project Title	Project Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Quiet Cove	Historical property use includes being used as a bulk fuel storage and distribution from 1909-1977, storage yard for marine vessels and various warehouse tenants from 1997-2013, and is currently owned by the Port to support terminal operations at Curtis Wharf. RI/FS Work Plan was submitted March 2024 that will address the data gaps identified by Ecology including a riparian area, Right-of-Way, and the southern property boundary. Once complete, the RI/FS can be finalized and a draft CAP can be submitted for review by Ecology.	Under agreement	Negotiations related to liability and Liable Party status are in process and have slowed spending at the site. However, this funding is critical to continuing to support cleanup work at the site.	1,028,635	Anacortes	Skagit	40	3 - Lower Skagit - Samish	48.52	-122.61
Anacortes Log Yard	Remedial action at the Anacortes Port Log Yard Site (CSID 3604) is expected to remove deposits of wood debris and other contaminants from the marine environment. Work under the Site's Agreed Order DE-10630 has been ongoing, with the cleanup progressing into the preliminary engineering design phase. Remedial actions are anticipated to address the wood debris and chemical contaminants in the marine environment through dredging and other remedial technologies. The Site is a working marine terminal waterfront property with an existing significant pier and dock structure in place. There will be no change in the use of the Site following completion of the cleanup construction, with the existing pier and dock structure expected to remain fully functional following the cleanup. It is also anticipated that habitat restoration elements will be constructed as part of the anticipated cleanup actions.	Under agreement	This funding supports a dredging project that must obtain federal permits. We are working with the City to identify barriers and move the project forward.	1,268,399	Anacortes	Skagit	40	3 - Lower Skagit - Samish	48.52	-122.61
Sunnyside Airport	Complete a Remedial Investigation, Feasibility Study, Cleanup Action Plan and identified remedial actions to restore the Site to a condition protective of human health and the environment. The Site (CSID 11423) is conducted under Agreed Order DE 9746. The Site is located at 3318 E Edison Road in Sunnyside, Washington. Based on the review of Site options, data gaps related to treatment technology and groundwater impacts were identified. Following conclusion of the bench testing, the draft FS will be finalized. A Cleanup Action Plan will then be developed for the Site based on the information presented in the FS and Site objectives, as described below. All project elements will be conducted consistent with the scope of work and schedule in the Agreed Order and Amendments to the Agreed Order.	Under agreement	Ecology is working closely with the City to get this project back on track. Sunnyside is an overburdened community that has issues with consistency of staffing and needs this funding to continue to support the project.	175,422	Sunnyside	Yakima	15	37 - Lower Yakima	46.33	-119.97
TOTAL				**12,687,343**						

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 12:53PM

Project Number: **91000373**
Project Title: **2021-23 Water Banking**

Description

Starting Fiscal Year: 2022
Project Class: Grant - Pass Through
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the State Building Construction Account for water banking purposes. This includes a pilot program for local water bank grants, including developing and managing the program and acquiring water rights. The grant program is limited to rural counties, and one-third of water rights purchased must be dedicated to instream flows to benefit fish and wildlife. Ecology is also provided funding to complete a report and submit recommendations for further development of water banking. This request also supports the grant to the Methow Basin.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: TBD
RCW that establishes grant: Appropriation
Application process used

Competitive Grant

Growth Management impacts

No

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	5,000,000	480,000	812,000	3,708,000	
05W-1	St Drought Prep Acct-State	9,000,000		205,000	8,795,000	
	Total	**14,000,000**	**480,000**	**1,017,000**	**12,503,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
05W-1	St Drought Prep Acct-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 12:53PM

Project Number: 91000373
Project Title: 2021-23 Water Banking

Operating Impacts

No Operating Impact

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:50PM

Project Number: 40000117
Project Title: 2019-21 Eastern Washington Clean Sites Initiative

Description

Starting Fiscal Year: 2020
Project Class: Grant - Pass Through
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Model Toxics Control Capital Account to continue the initiative to have a statewide cleanup program by making investments outside of the Puget Sound Basin and Western Washington. There are properties in Eastern Washington contaminated with hazardous wastes that have been abandoned or have owners unwilling or unable to pay for site investigation and cleanup. Without cleanup, these sites pose threats to public health, the environment, groundwater, and fish and wildlife resources. Cleaning up these sites protects public and environmental health, creates jobs, and promotes economic growth as the sites are redeveloped.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

See attached project list for detailed subproject descriptions, statuses, and reappropriation explanations.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A
Application process used

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
23N-1	MTC Capital Account-State	12,110,000	149,000	222,000	11,739,000	
	Total	**12,110,000**	**149,000**	**222,000**	**11,739,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:50PM

Project Number: 40000117
Project Title: 2019-21 Eastern Washington Clean Sites Initiative

Operating Impacts

No Operating Impact

Ecology Capital Reappropriation Project List

August 2024

Purpose: Identify the subprojects, status, and justification for 2025-27 capital reappropriation requests that were originally funded prior to the 2021-23 biennium. Amount remaining based on expenditures through June 2024.

40000117	2019-21 Eastern Washington Clean Sites Initiative

Project Name	Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Marshall Landfill	Marshall Landfill was operating as a landfill accepting municipal and industrial waste between 1970 and 1990. The landfill was not closed in accordance with State regulations due to bankruptcy. TCP is working on a project to close the landfill in accordance with State regulations, control landfill gas emissions, and protect groundwater. An improved landfill cap will be installed and stormwater runoff from the landfill will be controlled and managed as part of the final closure of the landfill.	Under agreement	Reappropriated funding is supporting an active A&E contract, or will support the subsequent public works contract. Due to delays from the COVID pandemic, inflation, and discovery of PFAS, costs at the site have increased significantly. Current funding (provided throughout many years) is insufficient for the public works contract supporting construction. Subsequent funding is requested in the 2025-27 biennium to support the cleanup construction next biennium.	714,490	Marshall	Spokane	9	56 - Hangman	47.55	-117.51
Colville Post and Pole	Wood, primarily fence posts and rails, was treated (1940s–2005) at this site adjacent to the Colville River. Pentachlorophenol (PCP) and diesel leaked to the ground from a 10,000-gallon above-ground storage tank, associated piping, and drip and drying pads. The Colville River floods this site regularly. The cleanup needs to occur during two consecutive construction seasons to minimize the potential for re-contaminating remediated portions of the site. It is located in rural Eastern Washington, which helps to ensure geographic distribution of Ecology's investments in cleanups. The Colville River is also of significance to the Confederated Tribes of the Colville Reservation.	Agreement in negotiation	A design contract is in negotiation at the site. However, it is a complex site that needs to be executed in one season to mitigate the risk of recontamination. Current funding will not be sufficient to cover public works and future funds will have to be requested.	8,670,473	Colville	Stevens	7	59 - Colville	48.58	-117.96
Airport Kwik Stop	Airport Kwikstop is a former gas station and convenience store LUST site. In 1994, underground storage tanks at the Site were removed, and above-ground storage tanks were used to store fuel. In 2008, a pipe connection leaked under the premium gas dispenser, which caused gasoline to spray inside the dispenser. Soil and groundwater investigations at the site show petroleum-related contaminants exceed state standards and pose a threat to human health and the environment.	Subsequent agreement expected by the end of the 2023-25 biennium	There is an active design contract at the site. Current funding (spread through many appropriations) is expected to be able to support all the way through cleanup construction based on current schedules and projections. We are optimistic that this work can complete by end of the 2025-27 biennium.	1,013,892	Ione	Pend Oreille	7	62 - Pend Oreille	48.71	-117.41
Stubblefield	The Stubblefield Salvage Yard operated as a fat-rendering plant from approximately 1945 to 1950, and as a salvage yard from approximately 1950 to 2010. In addition to the salvage yard activities, the site also housed a large amount of waste and debris including batteries, transformers, car bodies, and drums filled with waste materials. In 2009, the U.S. Environmental Protection Agency (EPA) visited the site and documented the presence of oil-stained soil, unlabeled drums, several large open-top tanks, and other types of uncontrolled wastes including transformers and asbestos-containing material (ACM). Soil and groundwater investigations at the site show petroleum, volatile organic compounds (VOCs), and semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), polycyclic aromatic hydrocarbons8 (PAHs), and metals still exceed state standards and pose a threat to human health and the environment.	Subsequent agreement expected by the end of the 2023-25 biennium	There is an active design contract at the site. Current funding (spread through many appropriations) is expected to be able to support all the way through cleanup construction based on current schedules and projections. We are optimistic that this work can complete by end of the 2025-27 biennium.	500,000	Walla Walla	Walla Walla	16	32 - Walla Walla	46.06	-118.37

Project Name	Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Northport	Project is advancing toward cleanup of Northport's town park waterfront, boat launch, and near-shore aquatic habitat. Cleanup of sediments and shoreline and associated protections and enhancements of community recreational functions will be a robust capital investment.	Mostly under agreement	We have active contracts for all phases of work for this project. However, in summer 2024 the water levels did not lower enough to allow work to be completed. As a result, Ecology anticipates issuing a stop work and extending the public works contract for a second season to allow for work to continue in 2025 in hopes that water levels allow for the next stage of excavation.	254,730	Northport	Stevens	7	61 - Upper Lake Roosevelt	48.92	-117.77
Dryden Pit	Ecology will support a remedial excavation at a former shooting range located on State Department of Fish and Wildlife property. This remedial excavation will be combined with critical stream restoration work on Peshastin Creek. This site's location poses a risk to the health and safety of highly impacted communities that are located adjacent to the site.	Under agreement	This work is expected to be completed (and funds spent) during the 2023-25 biennium.	250,000	Peshastin	Chelan	12	45 - Wenatchee	47.56	-120.58
CRO Assessment Sites	Assessment work at up to 25 low-complexity sites in CRO. Primarily direct-push investigations of soil and groundwater, with potential for limited monitoring well installation and sampling at some sites.	Obligated for assessment work	Projects are in process for this funding. We expect it to be fully spent by the end of the 2025-27 biennium.	335,770	Region wide	Region wide	Region wide	Region wide	Region wide	Region wide
TOTAL				**11,739,355**						

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Capital Project Request

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 2:06PM

Project Number: 40000288
Project Title: 2020 Remedial Action Grants

Description

Starting Fiscal Year: 2020
Project Class: Grant - Pass Through
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Model Toxics Control Capital Account to fund its Remedial Action Grant (RAG) pass-through program to help local governments clean up contaminated sites in Washington. RAGs support cleanup at contaminated industrial sites that affect the air, land, and water resources of the state, and the continued cleanup of Puget Sound. This grant funding will protect public and environmental health, create jobs, promote economic growth through the redevelopment of contaminated properties, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

See attached project list for detailed subproject descriptions, statuses, and reappropriation explanations.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Local Government
RCW that establishes grant: Chapter 70A.305 RCW
Application process used

1) Project solicitation. Biennially, Ecology will solicit project proposals from local governments to develop its budget and update the MTCA Ten-Year Financing Plan for the RAG program. (2) Legislative Action. Projects are ranked and included in Ecology's budget for legislative action. (3) Finalize application. Once the budget is passed by the Legislature, recipients are notified and required to work with Ecology to complete any additional application information and submit the information on electronic forms provided by Ecology. For multi-biennia oversight RAG projects, an application must be submitted before each biennium for which additional funds are requested. (4) Agreement development. Ecology uses the information in the application to negotiate with the applicant.

Growth Management impacts

Supports redevelopment of brownfield properties in urban areas.

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	New Approps
23N-1	MTC Capital Account-State	32,656,000	13,938,000	7,094,000	11,624,000	
	Total	**32,656,000**	**13,938,000**	**7,094,000**	**11,624,000**	**0**

Future Fiscal Periods

461 - Department of Ecology
Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 2:06PM

Project Number: 40000288
Project Title: 2020 Remedial Action Grants

Funding

		2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

Ecology Capital Reappropriation Project List

August 2024

Purpose: Identify the subprojects, status, and justification for 2025-27 capital reappropriation requests that were originally funded prior to the 2021-23 biennium. Amount remaining based on expenditures through June 2024.

40000288	2020 Remedial Action Grants

Project Title	Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Western Port Angeles (City of Port Angeles)	The majority of the shoreline properties around Port Angeles Harbor are zoned Industrial Heavy. The harbor is one of the City's primary centers for economic development activity. Log rafting has occurred in many areas of the Harbor. The largest area with current and historical log rafting and wood chip/sawdust barging activity is located along the north side of inner Port Angeles Harbor, extending along the arm of Ediz Hook (Ecology, 2012a). Portions of this area have been leased by the Washington State Department of Natural Resources (DNR) at one time or another to Rayonier, Nippon Paper Industries USA and predecessors, the Port, and Foss Maritime. Log dump areas include a public log dump yard on the southern shoreline, and a Rayonier log dump facility on the spit. Current major industrial operations include wood-related loading operations, boatyard-related operations. This grant supports the City as a PLP.	Not under agreement	Successful negotiations with the Western Port Angeles Harbor Group, including the city of Port Angeles, have resulted in agreement on a consent decree and draft cleanup action plan. We expect the comment period to occur this fall. As soon as the documents are finalized after public comment, the work will begin in early 2025 with preparation of the pre-remedial design work plan, pre-remedial design sampling, engineering design and cleanup construction. Spending is expected to begin in early 2025 with pre-remedial design work plan development and pre-remedial design sampling.	1,125,000	Port Angeles	Clallam	24	18 - Elwha - Dungeness	48.13	-123.45
Western Port Angeles (Port of Port Angeles)	The majority of the shoreline properties around Port Angeles Harbor are zoned Industrial Heavy. The harbor is one of the City's primary centers for economic development activity. Log rafting has occurred in many areas of the Harbor. The largest area with current and historical log rafting and wood chip/sawdust barging activity is located along the north side of inner Port Angeles Harbor, extending along the arm of Ediz Hook (Ecology, 2012a). Portions of this area have been leased by the Washington State Department of Natural Resources (DNR) at one time or another to Rayonier, Nippon Paper Industries USA and predecessors, the Port, and Foss Maritime. Log dump areas include a public log dump yard on the southern shoreline, and a Rayonier log dump facility on the spit. Current major industrial operations include wood-related loading operations, boatyard-related operations. This grant supports the Port as a PLP.	Not under agreement	Successful negotiations with the Western Port Angeles Harbor Group, including the city of Port Angeles, have resulted in agreement on a consent decree and draft cleanup action plan. We expect the comment period to occur this fall. As soon as the documents are finalized after public comment, the work will begin in early 2025 with preparation of the pre-remedial design work plan, pre-remedial design sampling, engineering design and cleanup construction. Spending is expected to begin in early 2025 with pre-remedial design work plan development and pre-remedial design sampling.	1,125,000	Port Angeles	Clallam	24	18 - Elwha - Dungeness	48.13	-123.45
Alexander Ave	The site was operated as two adjacent bulk petroleum storage and distribution centers from the 1930s through the 1980s. The tank facilities occupied two parcels, one currently owned by the Port of Tacoma (Port), and the other currently owned by Mariana Properties, Inc. (Mariana). The Port owned parcel is currently being leased to Puget Sound Energy for the development of a Liquefied Natural Gas facility. An RI/FS has been completed and this funding will go toward developing and implementing a Cleanup Action Plan.	Under agreement	The draft Cleanup Action Plan is ready for public review and this funding is needed to keep the project moving forward.	794,822	Tacoma	Pierce	27	10 - Puyallup - White	47.28	-122.40

Project Title	Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Earley Business Center	A shipyard and sawmill was operated on the site during World War I and World War II. Later, parts of the property were used for ship repair, dismantling, and salvage. Soil and groundwater impacts at EBC are related to spills or releases from historical business operations, leaking USTs and associated piping, or the accumulation and placement or reworking of fill/debris. The primary contaminants are metals and petroleum (gasoline, diesel, and oils). PCBs and carcinogenic PAHs are also present.	Under agreement	This work is needed to continue to support RI phase work at the site.	1,486,136	Tacoma	Pierce	27	10 - Puyallup - White	47.28	-122.41
Hungry Whale Grocery	The site is currently under Agreed Order AO-DE20344 which required the implementation and monitoring described in the Cleanup Action Plan. The cleanup included removal of contaminated soil and groundwater. The Port demolished the convenience store and removed the underground storage tank and fuel dispensing equipment. Construction was completed in 2023.Residual soil contamination was left in place along bordering streets to protect road undermining and utilities. The site still needs to prepare an environmental covenant and continue groundwater monitoring.	Under agreement	This is the final funding for the project before completion.	137,863	Westport	Grays Harbor	19	22 - Lower Chehalis	46.90	-124.11
March Point Landfill/ Whitmarsh	Whitmarsh Landfill was used as an unregulated dump between the 1950s and 1973 and is located in the natural lagoon on the shore of Padilla Bay adjacent to one of the largest Great Blue Heron colonies in Western North America. In 2009, Skagit County, as part of a Potentially Liable Party group, entered into an agreed order with Ecology to complete the RI/FS and to prepare a draft Cleanup Action Plan. In 2021, Skagit County entered into a Consent Decree with Ecology to complete the remediation alternative selected in the Cleanup Action Plan (construction of a geosynthetic clay laminated liner cap, habitat restoration, and long-term monitoring). The Engineering Design Report (EDR) and associated documents are nearly complete, and the project is going out to bid in late 2024. The JARPA was completed in 2021, a year-long effort to establish an access agreement with BNSF was recently finished and an access agreement with DNR will be finalized once Ecology approves the EDR. Due to the proximity of the Great Blue Heron rookery and constraints of the large tidal swings; the remediation construction is currently planned for late April 2025.	Under agreement	Past efforts were delayed due to timing issues related to access and planning. Those issues have been addressed and remediation will commence Spring of 2025.	2,100,164	Anacortes	Skagit	40	3 - Lower Skagit - Samish	48.46	-122.53
Dakota Creek	The site includes uplands and sediments. It has been used for industrial and shipyard activities since approximately 1879. From approximately 1925 to 1969, several above-ground storage tanks were present on the upland portion and used for bulk fuel storage and distribution. This funding is supporting the final eligible costs for the project.	Under agreement	This funding is supporting the final stages of cleanup. Money will support performance monitoring and additional monitoring to implement institutional controls.	433,944	Anacortes	Skagit	40	3 - Lower Skagit - Samish	48.52	-122.61

Project Title	Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
North Boeing Field (Seattle Public Utility)	This site includes land impacted by industrial practices at the Georgetown Steam Plant (GTSP) and North Boeing Field (NBF) properties along the Lower Duwamish Waterway in Seattle. The work is being led by Boeing, Seattle City Light, and King County. The primary site-wide contaminants consist of toxics metals and petroleum (gasoline, diesel, and oils). Polychlorinated biphenyls (PCBs) and carcinogenic polycyclic aromatic hydrocarbons (PAHs) are also present. Currently, the Site is under an agreed order to complete a remedial investigation (RI)/feasibility study (FS) and any necessary interim actions. The RI phase is approaching completion.	Under agreement	These funds are currently being used for source control associated with the RI.	39,718	Seattle	King	34	9 - Duwamish - Green	47.54	-122.31
Lower Duwamish (Seattle City Light)	The Lower Duwamish Waterway (LDW) is a Superfund Site that includes approximately five miles of waterway extending downstream to the southern tip of Harbor Island in Seattle. Contaminants of concern include polychlorinated biphenyls (PCBs), arsenic, carcinogenic polycyclic aromatic hydrocarbons (cPAHs), dioxins/furans, phthalates, and other hazardous substances. The Lower Duwamish Waterway Group (LDWG) partners have been actively implementing remedial actions to ensure sources of contamination to the LDW are sufficiently controlled. Project proponents are currently finalizing the engineering design of the Upper Reach (a 2-mile segment of the waterway) in preparation for cleanup construction, scheduled to begin in fall 2024. Engineering design is actively in progress for the Middle Reach and will extend into the 2025-27 biennium. Design of the Lower Reach is also expected to start in 2025. Cleaning up the LDW will help protect public health, sensitive estuarine habitats, and aquatic species that depend on these habitats.	Under agreement	LDWG has completed the design for the Upper Reach. The process of negotiating the consent decree has taken longer than anticipated resulting in EPA issuing a Unilateral Administrative Order to proceed with construction of the Upper Reach in fall 2024. Negotiations for the CD are still in progress. The LDWG partners are still required to complete construction under the UAO. Funds will be needed to support Upper Reach construction and design and construction of the Middle Reach which is actively in progress.	441,532	Seattle	King	34	9 - Duwamish - Green	47.57	-122.35
Bothell Riverside	The Bothell Riverside Site is a two acre property located between downtown Bothell and the Sammamish River. The City and Ecology entered into the active Agreed Order in December 2019. A pre-engineering design investigation work plan was completed in June 2024. The results of the investigation may require changes to the remedy and a CAP amendment. In partnership with Ecology, the City will perform remedial design, complete construction, and implement confirmation monitoring in accordance with an amended CAP.	Under agreement	Much of this funding is expected to be spent by end of biennium now that the project has been rescoped to meet cleanup needs.	214,264	Bothell	King	1	8 - Cedar - Sammamish	47.76	-122.21
Harris Ave Shipyard	This ten-acre contaminated upland and in-water sediment site is located on the Bellingham waterfront. Contamination resulted from historic shipbuilding and maintenance activities. Current site tenants include small boat manufacturing; light manufacturing; ship repair; and a dry dock. Significant cleanup work was completed in a portion of the site as part of an interim action. The cleanup action plan was finalized in early 2021. The Site is divided between upland and in-water portions. The engineering design report (EDR) is finalized for the upland portion and in progress for the in-water area. Upland construction is expected to start in 2025. The timing of in-water work will depend on completion of engineering design phase work, including permits.	Under agreement	Engineering design has been completed for the upland portion. The timing of the consent decree for construction may be partially impacted by the in-water portion. Construction of the upland portion may begin in 2025 with in-water work starting potentially as early as 2026. These funds will be needed in 2025-27 to continue work.	683,000	Bellingham	Whatcom	40	1 - Nooksack	48.72	-122.51

Project Title	Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Lower Duwamish (Port of Seattle)	The Lower Duwamish Waterway (LDW) is a Superfund Site that includes approximately five miles of waterway extending downstream to the southern tip of Harbor Island in Seattle. Contaminants of concern include polychlorinated biphenyls (PCBs), arsenic, carcinogenic polycyclic aromatic hydrocarbons (cPAHs), dioxins/furans, phthalates, and other hazardous substances. The Lower Duwamish Waterway Group (LDWG) partners have been actively implementing remedial actions to ensure sources of contamination to the LDW are sufficiently controlled. Project proponents are currently finalizing the engineering design of the Upper Reach (a 2-mile segment of the waterway) in preparation for cleanup construction, scheduled to begin in fall 2024. Engineering design is actively in progress for the Middle Reach and will extend into the 2025-27 biennium. Design of the Lower Reach is also expected to start in 2025. Cleaning up the LDW will help protect public health, sensitive estuarine habitats, and aquatic species that depend on these habitats.	Under agreement	The Lower Duwamish Waterway Group has completed the design for the Upper Reach. EPA issued a Unilateral Administrative Order (UAO) to proceed with construction of the Upper Reach in fall 2024. Will confirm the Port's need for these funds based on this update.	1,190,958	Seattle	King	34	9 - Duwamish - Green	47.57	-122.35
North Boeing Field (Seattle City Light)	This site includes land impacted by industrial practices at the Georgetown Steam Plant (GTSP) and North Boeing Field (NBF) properties along the Lower Duwamish Waterway in Seattle. The work is being led by Boeing, Seattle City Light, and King County. The primary site-wide contaminants consist of toxics metals and petroleum (gasoline, diesel, and oils). Polychlorinated biphenyls (PCBs) and carcinogenic polycyclic aromatic hydrocarbons (PAHs) are also present. Currently, the Site is under an agreed order to complete a remedial investigation (RI)/feasibility study (FS) and any necessary interim actions. The RI phase is approaching completion.	Under agreement	Project delays have occurred due to discussions with the PLPs regarding RI revisions and PFAS investigations. Funds carried into the 2025-27 biennium will support continued progress on finalizing the RI/FS.	42,611	Seattle	King	34	9 - Duwamish - Green	47.54	-122.31
IPG - Former Bell Pole and Lumber Property	The Former Bell Lumber and Pole property is owned by the Port and is located in Conway. Until recently, the Site was used as a pole peeling facility for raw timber logs and is currently vacant with the exception of a business office and workshop building, as well as two storage sheds. Environmental assessments are underway to identify potential public or environmental health concerns associated with suspected contaminant sources, in particular environmental threats to the Skagit River.	Under agreement	The project is actively moving forward. An amendment is in process for additional sampling. It is expected that a significant portion of the IPG will be spent prior to the end of the biennium.	189,202	Conway	Skagit	10	3 - Lower Skagit - Samish	48.34	-122.35
IPG - Downtown Hillyard	This project focuses on environmental assessment, cleanup planning, feasibility analysis, and redevelopment planning of property located at 3011 E Wellesley Avenue in Spokane, WA 99217 (No CSID/FSID 100001185) and its surrounding areas. In addition to environmental assessment, the Northeast Public Developmental Authority will develop a series of analyses that will facilitate redevelopment of the area, as well as provide critical baseline information and initial community outreach.	Under agreement	Shortly after receiving notice of an IPG award, the executive director of NEPDA left and it took nine months for the PDA's board to recruit and hire a new executive director. The new ED immediately engaged with Ecology to move forward with the grant and the grant is still actively making progress.	120,713	Spokane	Spokane	6	57 - Middle Spokane	47.70	-117.37

Project Title	Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Terminal 115 Plant 1	The Terminal 115 Plant 1 Site is located near the Lower Duwamish Waterway in Seattle. The property covers approximately 98.7 acres and is currently owned by the Port. The property is currently used for upland marine cargo marshalling and storage, warehouse, and processing facilities. The Port is conducting remedial investigation work under an agreed order to determine the nature and extent of releases during the historic operations at the facility.	Under agreement	These funds will be needed to support RI/FS work into the 2025-27 biennium.	407,698	Seattle	King	34	9 - Duwamish - Green	47.54	-122.34
Solid Wood Inc	The Solid Wood Site is a former industrial waterfront property located on West Bay in Olympia, Washington. The City of Olympia purchased the property in 2005, entered into an agreed order with Ecology in November of 2008. RI/FS and IA activities are being performed under Agreed Order No. DE-08-TCPSR-5415.	Under agreement	These funds will be needed to support RI/FS work into the 2025-27 biennium.	579,550	Olympia	Thurston	22	13 - Deschutes	47.05	-122.91
Weyerhaeuser Sawmill	Grays Harbor - Historical Seaport Authority is leading a transformative redevelopment effort on Aberdeen's South Waterfront to create a local and regional recreation and tourism destination and homeport for the Lady Washington and Hawaiian Chieftain tall ships. The Grays Harbor - Historical Seaport Authority will complete Remedial Investigation, Feasibility Studies and Cleanup Actions for uplands and sediments at the Site.	Under agreement	Currently awaiting comments on the draft Remedial Investigation and the Seaport is working to prepare the Feasibility Study. Previously, the Site was slowed substantially by COVID impacts at the local level. The Seaport is committed to finishing up the work under the AO.	511,559	Aberdeen	Grays Harbor	19	22 - Lower Chehalis	46.97	-123.80
TOTAL				**11,623,734**						

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 2:10PM

Project Number: 40000303
Project Title: 2021-23 ASARCO Everett Smelter Plume Cleanup

Description

Starting Fiscal Year: 2022
Project Class: Grant - Pass Through
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Model Toxics Control Capital Account to accelerate cleanup work related to the ASARCO smelter site in the City of Everett, which operated from 1894 to 1912. The smelter released arsenic, lead, and other contamination into the air that subsequently contaminated the city's residential soil, groundwater, and industrial areas adjacent to the Snohomish River. Without cleanup, these sites pose threats to public health, the environment, groundwater, and fish and wildlife resources. Cleaning up these sites will protect public and environmental health, create jobs, and promote economic growth. Related to Puget Sound Action Agenda Implementation.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Location

City: Everett **County:** Snohomish **Legislative District:** 038

Project Type

Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A
Application process used

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
23N-1	MTC Capital Account-State	10,814,000	272,000	14,000	10,528,000	
	Total	**10,814,000**	**272,000**	**14,000**	**10,528,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:28PM

Project Number: **40000530**
Project Title: **2023-25 PFAS Contaminated Drinking Water**

Description

Starting Fiscal Year: 2024
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the State Building Construction Account to continue to provide funding for projects in the Lower Issaquah Valley, where community water supplies are contaminated with Per- and polyfluorinated alkyl substances (PFAS). These are a group of over 4,700 synthetic organic chemicals used in consumer and industrial applications, including cookware, carpets, and food packaging. One common PFAS use is in certain types of firefighting foam used by the U.S. military, local fire departments, airports, and others. They have become a serious public health concern, and they are known to remain in the environment for a long time. The extent of the impact of PFAS compounds in Washington's environment is an emerging issue.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Proviso

No

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Local Governments
RCW that establishes grant: N/A
Application process used

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	New Approps
057-1	State Bldg Constr-State	1,500,000			1,500,000	
23N-1	MTC Capital Account-State	7,857,000		38,000	7,819,000	
	Total	**9,357,000**	**0**	**38,000**	**9,319,000**	**0**

		Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:28PM

Project Number: 40000530
Project Title: 2023-25 PFAS Contaminated Drinking Water

Funding

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:43PM

Project Number: 40000480
Project Title: 2023-25 Affordable Housing Cleanup Grant Program

Description

Starting Fiscal Year: 2024
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Model Toxics Control Capital Account to fund brownfield site cleanups by public, nonprofit, or private developers proposing to redevelop the sites for affordable housing. The program will continue to invest in a social good (housing) beyond the traditional economic good of brownfield redevelopment for commercial and industrial purposes.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Proviso

No

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Multiple entities
RCW that establishes grant: RCW 70A.305.190(4)(a)(iv)
Application process used

Project solicitation. (1) Biennially, Ecology will solicit project proposals from local governments to develop its budget and update the MTCA Ten-Year Financing Plan for the Affordable Housing Grant Program. (2) Legislative Action. Projects are ranked and included in Ecology's budget for legislative action. (3) Finalize application. Once the budget is passed by the Legislature, recipients are notified and required to work with Ecology to complete any additional application information and submit the information on electronic forms provided by Ecology.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
23N-1	MTC Capital Account-State	9,497,000		238,000	9,259,000	
	Total	**9,497,000**	**0**	**238,000**	**9,259,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:43PM

Project Number: 40000480
Project Title: 2023-25 Affordable Housing Cleanup Grant Program

Funding

Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

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Capital Project Request

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 2:17PM

Project Number: 40000360
Project Title: 2021-23 Protect Investments in Cleanup Remedies

Description

Starting Fiscal Year: 2022
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Model Toxics Control Capital Account to support cleanup costs at Superfund-financed sites, or when Washington assumes liability for a cleanup. When the U.S. Environmental Protection Agency cleans up a site in Washington, the state enters into a State Superfund Contract. It binds Washington to pay for ten percent of the cleanup construction costs and 100 percent of the long-term operation and maintenance costs of the cleanup remedy. When Washington assumes responsibility for a cleanup site – like after a bankruptcy, or when a site is orphaned or abandoned – protecting the remedy requires ongoing investment. This request will provide funding to meet legal requirements, protect public investments in cleanup, and protect human health and the environment from remedy failure. Related to Puget Sound Action Agenda Implementation.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A
Application process used

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
23N-1	MTC Capital Account-State	11,093,000	1,214,000	1,339,000	8,540,000	
	Total	**11,093,000**	**1,214,000**	**1,339,000**	**8,540,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 2:17PM

Project Number: 40000360
Project Title: 2021-23 Protect Investments in Cleanup Remedies

Operating Impacts

No Operating Impact

OFM

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 12:45PM

Project Number: **92000076**
Project Title: **Storm Water Improvements**

Description

Starting Fiscal Year: 2018
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the State Building Construction Account to provide grants to public entities to finance stormwater retrofit projects that treat polluted stormwater in priority areas throughout Washington. Ecology is requesting reappropriation for this project to continue important stormwater work and keep it in line with the original legislative budget assumptions.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appppropriations minus expenditures through June 2024 Fiscal Month 12.

See attached project list for detailed subproject descriptions, statuses, and reappropriation explanations.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A

Application process used

Ecology uses its Environmental Protection Agency (EPA) acclaimed nationwide model that integrates the application evaluation offer process for all its water quality financial assistance programs. Ecology uses statewide workshops and a well-publicized, web-based annual application and proposal evaluation cycle to ensure ample outreach and applicant interest and participation. Completed projects will serve as region-wide models of stormwater management and implementation of innovative Low Impact Development techniques.

Growth Management impacts

Growth Management Act (GMA) compliance is strongly encouraged and supported by Ecology. Because other funding sources may require GMA compliance to be eligible for funding, an applicant's GMA status will be reflected in its readiness to proceed at time of application.

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	60,000,000	44,693,000	7,006,000	8,301,000	
19G-1	ELS Account-State	36,966,000	36,966,000			
	Total	**96,966,000**	**81,659,000**	**7,006,000**	**8,301,000**	**0**

Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35

461 - Department of Ecology
Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 12:45PM

Project Number: **92000076**
Project Title: **Storm Water Improvements**

Funding

		Future Fiscal Periods			
		2027-29	**2029-31**	**2031-33**	**2033-35**
057-1	State Bldg Constr-State				
19G-1	ELS Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

Ecology Capital Reappropriation Project List

August 2024

Purpose: Identify the subprojects, status, and justification for 2025-27 capital reappropriation requests that were originally funded prior to the 2021-23 biennium. Amount remaining based on expenditures through June 2024.

92000076 Storm Water Improvements

Project Title	Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
PORT ANGELES CITY OF	This project will improve water quality in the Port Angeles Watershed through installation of a new decant facility in the city of Port Angeles. The project will increase the efficiency of stormwater facilities maintenance and street sweeping. This project will provide citywide collection and removal of Total Suspended Solids (TSS), sediment, and associated pollutants from catch basins, streets and parking lots. This project will provide treatment for TSS, heavy metals, and other contaminants.	Under agreement	Project expected to reach completion in 2025-27 biennium.	390,174	Port Angeles	Clallam	24	18	48.13	-123.52
RICHLAND CITY OF	This project will improve water quality in the Yakima River through installation of treatment and infiltration best management practices (BMPs) at the confluence of the Yakima River and Columbia River in the City of Richland. This project will provide treatment for total suspended solids (TSS).	Under agreement	Project expected to reach completion in 2025-27 biennium.	102,538	Richland	Benton	8	37	46.25	-119.27
TACOMA CITY OF	This project will improve water quality in Flett Creek, a tributary to Chambers Creek, through installation of permeable pavement (roads and sidewalks) in the Larchmont Neighborhood in southeast Tacoma. This project will provide treatment for total suspended solids (TSS), and will also reduce pollutant loads and flows to Fleet Creek Watershed by increasing stormwater infiltration. Additional benefits of this project include pedestrian and bicycle network access and safety.	Under agreement	Project expected to reach completion in 2025-27 biennium.	1,996,448	Tacoma	Pierce	27	12	47.22	-122.45
VANCOUVER CITY OF	This project will improve water quality in Burnt Bridge Creek through installation of bioretention facilities, pretreatment facilities, TAPE GULD approved water quality treatment BMPs, and stormwater detention infiltration facilities at Fourth Plain Central Basin in the City of Vancouver. This project will provide treatment for total suspended solids (TSS), oil, dissolved copper, dissolved zinc, and total phosphorus and will provide benefit by increasing stormwater infiltration and detention.	Under agreement	Project expected to reach completion in 2025-27 biennium.	1,441,548	Vancouver	Clark	49	28	45.64	-122.62
ELLENSBURG CITY OF	This project will improve water quality in Lyle, Wilson Creeks and the Yakima River through the installation of rock-lined bioinfiltration swales and permeable sidewalks from 2.57 acres along Vantage Highway in Ellensburg. This project will provide treatment and infiltration of stormwater containing total suspended solids (TSS), oil, dissolved copper, and dissolved zinc. In addition, the project will reduce the total phosphorus flowing to surface waters.	Under agreement	Project expected to reach completion in 2025-27 biennium.	3,943,145	Ellensburg	Kittitas	13	39	47.00	-120.55
PORT ANGELES CITY OF	This project will improve water quality in Peabody Creek through installation of permeable pavement and bioretention stormwater Best Management Practices (BMPs) at City Hall in the City of Port Angeles. This project will provide treatment for total suspended solids (TSS), dissolved copper, and dissolved zinc and will reduce flows to Peabody Creek by increasing stormwater detention. The project will also act as an educational resource for property developers and the public in Port Angeles.	Under agreement	Project expected to reach completion in 2025-27 biennium.	426,664	Port Angeles	Clallam	24	18	48.11	-123.43
TOTAL				**8,300,517**						

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OFM

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:20PM

Project Number: **30000458**
Project Title: **Remedial Action Grants**

Description

Starting Fiscal Year: 2016
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the State Building Construction Account to fund its Remedial Action Grant (RAG) pass-through program to help local governments clean up contaminated sites in Washington. RAGs support cleanup at contaminated industrial sites that affect the air, land, and water resources of the state, and the continued cleanup of Puget Sound. This grant funding will protect public and environmental health, create jobs, promote economic growth through the redevelopment of contaminated properties, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

See attached project list for detailed subproject descriptions, statuses, and reappropriation explanations.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Local Government
RCW that establishes grant: Chapter 70A.305 RCW
Application process used

1) Project solicitation. Biennially, Ecology will solicit project proposals from local governments to develop its budget and update the MTCA Ten-Year Financing Plan for RA grants. (2) Legislative Action. Projects are ranked and included in Ecology's budget for legislative action. (3) Application submittal. Once the budget is passed by the Legislature, applicants are notified and required to complete a detailed application. Applications must be submitted on electronic forms provided by Ecology. For multi-biennial oversight RA grant projects, an application must be submitted before each biennium for which additional funds are requested. (4) Agreement development. Ecology uses the information in the application to negotiate with the applicant the final scope of work and budget for the grant and develop the agreement.

Growth Management impacts

Supports redevelopment of brownfield properties in urban areas.

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	New Approps
057-1	State Bldg Constr-State	18,781,000	9,944,000	710,000	8,127,000	
174-1	Local Toxics Control-State	19,820,000	19,820,000			
23N-1	MTC Capital Account-State	5,387,000	5,387,000			
	Total	**43,988,000**	**35,151,000**	**710,000**	**8,127,000**	**0**

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:20PM

Project Number: **30000458**
Project Title: **Remedial Action Grants**

Funding

		Future Fiscal Periods			
		2027-29	**2029-31**	**2031-33**	**2033-35**
057-1	State Bldg Constr-State				
174-1	Local Toxics Control-State				
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

Ecology Capital Reappropriation Project List

August 2024

Purpose: Identify the subprojects, status, and justification for 2025-27 capital reappropriation requests that were originally funded prior to the 2021-23 biennium. Amount remaining based on expenditures through June 2024.

30000458	Remedial Action Grants

Project Title	Project Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
R.G. Haley	The Cornwall Avenue Landfill Site is located in Bellingham along the waterfront. The engineering design phase work has been completed and the consent decree for construction executed. The Port is waiting for the JARPA federal permit, which expected in fall 2024. The project is scheduled to begin cleanup construction in 2025.	Expected under agreement by end of the biennium	The consent decree for construction has been executed and the JARPA is expected in fall 2024. Construction is expected to begin in 2025 following completion of engineering design (anticipated in late 2024). The project will not be able to move forward on schedule without maintaining full funding for construction.	5,000,000	Bellingham	Whatcom	42	1 - Nooksack	48.74	-122.49
Bothell Riverside HVOC	The Bothell Riverside Site is a two acre property located between downtown Bothell and the Sammamish River. The City and Ecology entered into the active Agreed Order in December 2019. A pre-engineering design investigation work plan was completed in June 2024. The results of the investigation may require changes to the remedy and a CAP amendment. In partnership with Ecology, the City will perform remedial design, complete construction, and implement confirmation monitoring in accordance with an amended CAP.	Expected under agreement by end of the biennium	Other funds are under agreement. Project is currently be rescoped to meet changes to the needs of the project.	480,000	Bothell	King	1	8 - Cedar - Sammamish	47.76	-122.21
Park Laundry	In 2016, the City completed their Downtown/Waterfront Subarea Plan which recommended policy changes to support the cleanup of downtown brownfield properties. Previous environmental investigations indicated that volatile organic compounds are present in soils on the Site and adjoining parcels. After reviewing the RI/FS and dCAP for the Site, Ecology chose a preferred alternative (Alternative 4 in the RI/FS), which includes the excavation of soils to 15 feet, targeted groundwater remediation, implementation of institutional controls, and monitoring of groundwater for 30 years after implementation of the alternative.	Under agreement	Work has begun under the CD and a majority of the construction work will occur in the next 6-8 months. Unforeseen delays could push the project into 2025, but the project is currently on track to spend these funds by end of biennium.	915,000	Ridgefield	Clark	20	27 - Lewis	45.82	-122.75
Quiet Cove	Historical property use includes being used as a bulk fuel storage and distribution from 1909-1977, storage yard for marine vessels and various warehouse tenants from 1997-2013, and is currently owned by the Port to support terminal operations at Curtis Wharf. RI/FS Work Plan was submitted March 2024 that will address the data gaps identified by Ecology including a riparian area, Right-of-Way, and the southern property boundary. Once complete, the RI/FS can be finalized and a draft CAP can be submitted for review by Ecology.	Under agreement	Negotiations related to liability and Liable Party status are in process and have slowed spending at the site. However, this funding is critical to continuing to support cleanup work at the site.	963,200	Anacortes	Skagit	40	3 - Lower Skagit - Samish	48.52	-122.61

Project Title	Project Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Log Yard	Remedial action at the Anacortes Port Log Yard Site (CSID 3604) is expected to remove deposits of wood debris and other contaminants from the marine environment. Work under the Site's Agreed Order DE-10630 has been ongoing, with the cleanup progressing into the preliminary engineering design phase. Remedial actions are anticipated to address the wood debris and chemical contaminants in the marine environment through dredging and other remedial technologies. The Site is a working marine terminal waterfront property with an existing significant pier and dock structure in place. There will be no change in the use of the Site following completion of the cleanup construction, with the existing pier and dock structure expected to remain fully functional following the cleanup. It is also anticipated that habitat restoration elements will be constructed as part of the anticipated cleanup actions.	Under agreement	This funding supports a dredging project that must obtain federal permits. We are working with the City to identify barriers and move the project forward.	163,000	Anacortes	Skagit	40	3 - Lower Skagit - Samish	48.52	-122.61
Tiger Oil 24th Ave E	The Tiger Oil 24th and Nob Hill Site (FSID 469) is located at 2312 W. Nob Hill Boulevard in Yakima. The property was a fuel station, but has not been operational since the 1990s. Grant eligible work is being conducted under Amended Consent Decree No. 02-2-00956-2, which includes ongoing groundwater monitoring and several remedial options (engineered remedial systems to monitored natural attenuation) to cleanup the Site and encourage redevelopment of the area. Future remedial actions include investigation of the source of HVOCs, additional indoor air monitoring of gasoline and HVOC vapors, continued groundwater monitoring and both engineered and natural remedial systems that will decrease the concentrations of gasoline, benzene and HVOCs to below cleanup levels.	Under agreement	Project supporting ongoing investigations and interim monitoring.	605,927	Yakima	Yakima	14	37 - Lower Yakima	46.59	-120.54
TOTAL				**8,127,127**						

Note: The following projects are excluded from the 2025-27 reappropriation estimate because they are expected to be fully spent by the end of the 2023-25 biennium:
1. Lignin Parcel - $223,926 remaining through June 2024
2. Independent Remedial Action Grants - $346,000 remaining through June 2024

OFM

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:58PM

Project Number: **40000179**
Project Title: **2019-21 Yakima River Basin Water Supply**

Description

Starting Fiscal Year: 2020
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the State Building Construction Account to continue implementing Yakima River Basin Integrated Water Resources Management Plan (Plan) in cooperation with the U.S. Bureau of Reclamation and local stakeholders. Current water resources infrastructure, programs, and policies in the Yakima River Basin are unable to consistently meet the Basin's environmental and economic demands, including supporting aquatic resources, fish and wildlife habitat, dry-year irrigation, and municipal water supplies. A diverse set of local stakeholders developed the Plan to provide a comprehensive, long-term water resources and habitat improvement program to address this situation. This program will support the regional economy and protect the environment.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

See attached project list for detailed subproject descriptions, statuses, and reappropriation explanations.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Local Entities
RCW that establishes grant: Legislative Appropriation
Application process used

Competitive grants to local entities for projects developed in cooperation with the Yakima Basin Working group.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	36,750,000	24,138,000	5,101,000	7,511,000	
	Total	**36,750,000**	**24,138,000**	**5,101,000**	**7,511,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:58PM

Project Number: 40000179
Project Title: 2019-21 Yakima River Basin Water Supply

Operating Impacts

No Operating Impact

Ecology Capital Reappropriation Project List

August 2024

Purpose: Identify the subprojects, status, and justification for 2025-27 capital reappropriation requests that were originally funded prior to the 2021-23 biennium. Amount remaining based on expenditures through June 2024.

40000179	2019-21 Yakima River Basin Water Supply

Project Title	Project Description	Status	Justification for Reappropriat	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Confederated Tribes Colville	CRS and TCP for Yakima BIP	Under agreement	Ongoing Contract and Project	12,510	Various	Various	Various	Various	Multiple Project Locations	Multiple Project Locations
RCFB Capital Projects	RCO agreement with Mid Columbia Fisheries Enhancement Group for Yakima Basin Integrated Plan projects	Under agreement	Ongoing Contract and Project	329,720	Various	Various	Various	Various	Multiple Project Locations	Multiple Project Locations
RCFB Capital Projects	Office of Columbia River-Recreation and Conservation Office to administer projects for Kittitas Conservation Trust for Yakima Basin Integrated Plan-Habitat Projects	Under agreement	Ongoing Contract and Project	413,886	N/A	N/A	N/A	N/A	N/A	N/A
Yakima Basin Joint Board	YBJB FEDERAL FUNDING OPTIONS	Under agreement	Ongoing Contract and Project	7,580	TBD	TBD	TBD	TBD	TBD	TBD
Yakama Nation Confederated Tribe	Support Habitat/Watershed Protection and Enhancement	Under agreement	Ongoing Contract and Project	508,176	N/A	N/A	N/A	N/A	N/A	N/A
USDA Forest Service	Yakima Basin Integrated Plan (YBIP) Support	Under agreement	Ongoing Contract and Project	556,880	N/A	N/A	N/A	N/A	N/A	N/A
USDA Forest Service	Clear Creek Dam Fish Passage	Under agreement	Ongoing Contract and Project	74,995	N/A	N/A	N/A	N/A	N/A	N/A
RCFB Capital Projects	Mid Columbia Basin Yakima Integrated Plan Habitat Projects	Under agreement	Ongoing Contract and Project	875,300	Various	Various	TBD	TBD	TBD	TBD
WDFW	Yakima Basin Integration Plan (YBIP) Support	Under agreement	Ongoing Contract and Project	710,413	N/A	N/A	N/A	N/A	N/A	N/A
Yakima Basin Joint Board	YBJB Federal Funding Options	Under agreement	Ongoing Contract and Project	53,550	TBD	TBD	TBD	TBD	TBD	TBD
Yakima Basin Fish and Wildlife	This grant funds the Yakima Bull Trout Working Group (BTWG), a collaborative group that brings together state and federal agencies, the Yakama Nation, non-profits active in fisheries enhancement and other parties.The group meets about 6 times/year, plus subgroup meetings to address specific topics. The group coordinates monitoring efforts, provides feedback on proposed bull trout projects, identifies shared priorities, and maintains the Yakima Bull Trout Action Plan.	Under agreement	Ongoing Contract and Project	98,261	N/A	N/A	N/A	N/A	N/A	N/A

Project Title	Project Description	Status	Justification for Reappropriat	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Yakima County	The RECIPIENT, in collaboration, with the Yakima County Flood Control Zone District (FCZD), the City of Yakima, the Washington State Department of Transportation (WSDOT), ECOLOGY, and multiple other stakeholders will transform the Naches-Cowiche confluence through the coordinated design of a series of interrelated flood hazard reduction and floodplain and habitat restoration actions.	Under agreement	Ongoing Contract and Project	85,598	TBD	TBD	TBD	TBD	TBD	TBD
Kittitas Reclamation District	This assessment will tier from the District's Initial Water Storage Assessment and will refine the evaluation of known sites, and consider new information, to identify priority sites and provide planning-level preliminary engineering conceptual plans, preliminary environmental analysis, and preliminary geotechnical investigation of the preferred site.	Under agreement	Ongoing Contract and Project	50,819	TBD	TBD	TBD	TBD	TBD	TBD
Yakima County Public Works	Yakima County will design, permit and construct a floodplain restoration project on the mid-river island adjacent to the Donald-Wapato bridge over the Yakima River. This project includes removal of an asphalt ramp adjacent to the bridge deck, construction of side channels and installation of native riparian vegetation and will improve floodplain connectivity, reduce flood risk to critical transportation infrastructure and restore floodplain processes and habitats to benefit native species.	Under agreement	Ongoing Contract and Project	97,249	Wapato	Yakima	14	37	46.26	-120.25
Yakima County Public Works	The RECIPIENT will implement two floodplain restoration actions within the Gap to Gap (Selah to Union Gap) reach of the Yakima River. The projects will reverse and restore degraded ecological, geomorphic, and hydraulic processes in the reach, by creating a large pilot channel through an area of aggrading floodplain near Sportsman State Park and installation of an automated headgate to restore hydrology to Blue Slough, a dry side channel of the Yakima River.	Under agreement	Ongoing Contract and Project	400,000	Selah	Yakima	14	37	Multiple Project Locations	Multiple Project Locations

Project Title	Project Description	Status	Justification for Reappropriat	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Mid Columbia Fisheries	This project will complete preliminary and final design and begin construction of a plan to restore flow patterns and infrastructure in the Yakima River Delta. A southern causeway currently blocks a major side channel of the Yakima River at its confluence with the Columbia River. Allowing flow through the side channel will reduce water temperatures, increase dissolved oxygen, reduce algal growth, improve fish access, an enhance recreational opportunities.	Under agreement	Ongoing Contract and Project	259,006	TBD	TBD	TBD	TBD	TBD	TBD
Yakima County Public Works	This project funds the final match steps to take the Gap-to-Gap project to construction. Tasks are the preparation of final plans, specs, and bid package by the Corps; acquisition and cost of cure (fence and irrigation system relocation) of the last easements for relocation of the setback levee; and allocates the remainder of funds to construction.	Under agreement	Ongoing Contract and Project	278,775	Selah	Yakima	14	37	TBD	TBD
Benton Conservation District	The goal of the project is to collect water quality data at key locations on the Yakima River in support of a predictive water quality model currently in development by the Bureau of Reclamation. Data will be collected by USGS and Benton Conservation District (Benton CD).	Under agreement	Ongoing Contract and Project	20,245	Various	Various	TBD	TBD	TBD	TBD
North Yakima Conservation District	The Purdin Ditch Association Pipeline Project is a collaborative effort by the Purdin Ditch Association and the North Yakima Conservation District (NYCD) to convert a 3.26-mile open earth-lined ditch to a buried PVC pipe with delivery turnouts and construct a compliant fish screen with diversion structure.	Under agreement	Ongoing Contract and Project	807,713	N/A	Yakima	14	37	Multiple Project Locations	Multiple Project Locations
American Rivers	This project funds American Rivers (AR) involvement in the Yakima Basin Integrated Plan (YBIP). AR staff or subcontractor will participate in meetings of the YRBWEP Workgroup (Yakima River Basin Water Enhancement Program), YBIP Executive, Implementation, and Outreach committees; other YBIP committees as needed, as well as the Office of Columbia River (OCR) Policy Advisory Group (PAG) meetings. Outreach & communication will be conducted to increase awareness and support of the YBIP.	Under agreement	Ongoing Contract and Project	233,379	N/A	N/A	N/A	N/A	N/A	N/A

Project Title	Project Description	Status	Justification for Reappropriat	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Yakima County Public Works	The overall objective of this action is to provide for year-round upstream and downstream fish passage from Rimrock Reservoir into the SF Tieton River. In order for this to be accomplished, a new bridge or other crossing will need to be designed and installed on the Tieton Reservoir Road, which is a component of the Yakima County Road System, managed by Yakima County. This grant completes the design and construction phases.	Under agreement	Ongoing Contract and Project	1,395,460	TBD	Yakima	13	38	TBD	TBD
Selah Moxee Irrigation District	Groundwater Study for the East-Moxee Black Rock (EMBR) area in the Yakima Basin will summarize existing hydrogeology conditions and groundwater declines, and will explore the feasibility of alternate water supply options for the area that could reduce reliance on declining groundwater sources. Three key areas of work are the focus of this agreement and include a groundwater study, public outreach and data gathering, and evaluation of Yakima River surface water source replacement options.	Under agreement	Ongoing Contract and Project	241,434	N/A	TBD	TBD	TBD	TBD	TBD
Kittitas Reclamation District	This project will eliminate water loss in a 1700 foot section of KRD's South Branch Canal. Water that was previously lost through seepage and evaporation will be delivered to flow-impaired streams through an allocation, management, and protection agreement, resulting in supplemental flow estimated at 194.3 acre-feet/year (0.54 cfs) helping restore important salmonid habitat.	Under agreement	Ongoing Contract and Project	236	TBD	Kittitas	13	39	TBD	TBD
TOTAL				**7,511,185**						

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:42PM

Project Number: **40000487**
Project Title: **2023-25 Clean Up Toxic Sites – Puget Sound**

Description

Starting Fiscal Year: 2024
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Model Toxics Control Capital Account to support projects that integrate shoreline habitat restoration opportunities with cleanup projects to protect public and environmental health, create jobs, and promote economic development. A significant source of pollution to Puget Sound is contaminated sites around the basin and its shorelines. Ecology has been identifying and cleaning up contaminated sites in the Puget Sound basin for many years. This emphasis on bay-wide cleanup in the Sound and surrounding areas has highlighted a valuable link between toxic site cleanup and habitat restoration. Related to Puget Sound Action Agenda Implementation.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Proviso

No

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A
Application process used

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
23N-1	MTC Capital Account-State	7,455,000			7,455,000	
	Total	**7,455,000**	**0**	**0**	**7,455,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:42PM

Project Number: 40000487
Project Title: 2023-25 Clean Up Toxic Sites – Puget Sound

Operating Impacts

No Operating Impact

OFM

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Capital Project Request

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:38PM

Project Number: **40000529**
Project Title: **2023-25 ASARCO Everett Smelter Plume Cleanup**

Description

Starting Fiscal Year: 2024
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Model Toxics Control Capital Account to accelerate cleanup work related to the ASARCO smelter site in the City of Everett, which operated from 1894 to 1912. The smelter released arsenic, lead, and other contamination into the air that subsequently contaminated the city's residential soil, groundwater, and industrial areas adjacent to the Snohomish River. Without cleanup, these sites pose threats to public health, the environment, groundwater, and fish and wildlife resources. Cleaning up these sites will protect public and environmental health, create jobs, and promote economic growth. Related to Puget Sound Action Agenda Implementation.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Proviso

No

Location

City: Everett **County:** Snohomish **Legislative District:** 038

Project Type

Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A
Application process used

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
23N-1	MTC Capital Account-State	7,679,000		325,000	7,354,000	
	Total	**7,679,000**	**0**	**325,000**	**7,354,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:38PM

Project Number: 40000529
Project Title: 2023-25 ASARCO Everett Smelter Plume Cleanup

Operating Impacts

No Operating Impact

OFM

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:53PM

Project Number: **40000130**
Project Title: **2019-21 Clean Up Toxics Sites – Puget Sound**

Description

Starting Fiscal Year: 2020
Project Class: Grant - Pass Through
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Model Toxics Control Capital Account to support projects that integrate shoreline habitat restoration opportunities with cleanup projects to protect public and environmental health, create jobs, and promote economic development. A significant source of pollution to Puget Sound is contaminated sites around the basin and its shorelines. Ecology has been identifying and cleaning up contaminated sites in the Puget Sound basin for many years. This emphasis on bay-wide cleanup in the Sound and surrounding areas has highlighted a valuable link between toxic site cleanup and habitat restoration. Related to Puget Sound Action Agenda Implementation.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

See attached project list for detailed subproject descriptions, statuses, and reappropriation explanations.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A
Application process used

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
23N-1	MTC Capital Account-State	12,767,000	1,562,000	4,629,000	6,576,000	
	Total	**12,767,000**	**1,562,000**	**4,629,000**	**6,576,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:53PM

Project Number: 40000130
Project Title: 2019-21 Clean Up Toxics Sites – Puget Sound

Operating Impacts

No Operating Impact

Ecology Capital Reappropriation Project List

August 2024

Purpose: Identify the subprojects, status, and justification for 2025-27 capital reappropriation requests that were originally funded prior to the 2021-23 biennium. Amount remaining based on expenditures through June 2024.

40000130	2019-21 Clean Up Toxics Sites - Puget Sound

Project Title	Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Lower Duwamish	Through agreement with the US Environmental Protection Agency (EPA), Ecology is responsible for leading source control efforts that involves removing or reducing contaminants from identifiable sources that end up in sediments of the Lower Duwamish Waterway (LDW). These source control efforts are important ahead of EPA's cleanup of the waterway to minimize potential recontamination of sediment. Ecology has been using the requested funding to conduct source control activities within the LDW and adjacent areas, including contractor support for document review of individual sites, administrative and database support and management, public outreach, and other special projects.	Partially under agreement	Due to the pandemic-era hiring and contract freeze, we were unable to move the projects forward that had previously been identified. Since the pandemic has ended, new leadership and additional staff has helped increase capacity; though we still have several vacancies. Source control work and related funding will continue to be needed ahead of cleanup of EPA's in-water cleanup to minimize potential recontamination.	1,929,369	Seattle	King	34	09 - Duwamish/Green	47.57	-122.35
Heating Oil Tank Release	The Heating Oil Tank Release Site was caused by a leaking residential underground heating oil tank. Heating oil migrated onto the adjacent residential property, causing significant vapor intrusion concerns in the basement of that residence. In 2021, the Site was transferred from the Pollution Liability Insurance Agency (PLIA) Heating Oil Technical Assistance Program (HOTAP) to Ecology because of the increasing complexity of the cleanup. Ecology has been performing vapor intrusion mitigation since 2021 on the adjacent property. Ecology is working with the owner of the source property under the Voluntary Cleanup Program to clean up source contamination; however progress has been slow. Due to the slow progress with the VCP cleanup, Ecology is attempting to get access to the "Source Property" to perform additional evaluation of cleanup alternatives. The need for mitigation and state assistance to move the site toward cleanup will continue as long as concentrations of source contamination remains elevated.	Not under agreement	We expect that some of the funds will be spent during the current biennium. Progress towards cleanup by the PLP has been slow. These funds will be needed in the 2025-27 biennium and potentially beyond to continue to mitigate vapor intrusion on the adjacent property while remedial activities progress.	174,073	Seattle	King	36	8 - Cedar - Sammamish	47.69814	-122.393
LDW Slivers	Ecology has ongoing obligations with the U.S. Environmental Protection Agency (EPA) to identify and control sources of contamination to the Lower Duwamish Waterway (LDW) upland properties (slivers of land) in advance of sediment cleanup work, scheduled to begin in 2024. Failure by Ecology to control sources of contamination ahead of EPA's remediation of the waterway may result in delays in EPA's cleanup schedule and/or recontamination of remediated areas and costly rework. Ecology requests funding to implement projects in the Slivers area that will include bank stabilization and soil sampling. The location of this site and risk of recontamination poses a significant threat to the health and safety of neighboring communities as indicated by the Department of Health's Environmental Health Disparities Index.	Expected to be under agreement by end of the 2023-25 biennium	Due to the number of sites along the LDW Ecology has limited contracting options that do not have a conflict of interest. It is expected that remaining funds from this source will be mostly spent by the end of the 2023-25 biennium.	78,484	Seattle	King	34	09 - Duwamish/Green	47.57	-122.35

Project Title	Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Gas Works Park	Funding will support document review for subsequent phases of work, including construction that is expected in the 2025 or 2026 summer.	Expected to be under agreement by end of the 2023-25 biennium	Funds are expected to be used by the end of the 2025-27 biennium.	187,781	Seattle	King	43	08 - Cedar - Sammamish	46.65	-122.33
Circle K	A consent decree requires Ecology to cleanup contaminated soil and groundwater from this former gas station. A petroleum plume has extended off-property beneath adjacent streets and residential property. Ecology has staged this project to implement the Cleanup Action Plan (CAP) to remove and treat petroleum contamination. Construction is underway to be followed by at least five years of operations and maintenance (O&M).	Under agreement	This work is legally required under a consent decree. The project is in active construction. Upon completion, it will enter at least five years of O&M activities. These funds are under agreement and expected to be mostly spent by the end of the 2023-25 biennium to support construction, technical oversight, and O&M. Subsequent funding was requested in the Protect Investments budget.	902,011	Seattle	King	43	08 - Cedar - Sammamish	47.64	-122.30
Everett Smelter Plume Lowlands	The Everett Smelter Plume (ESP) lowland areas are industrial/commercial lands that are located along and potentially impact the Snohomish River. The area contains elevated levels of arsenic and lead from the former smelter that exceed state cleanup levels. Remediation was completed on properties identified as Areas C1 and C2/C3 and partially Area B2 through a one-time grant with the City of Everett. Three additional areas need to be remediated: During the 2025-27 biennium, Ecology plans to complete engineering design and remediation in Area B1. Secondly, Ecology plans to address contamination in Area A2 and evaluate additional action for Area B2, which will be determined by the results of an active groundwater study.	Under agreement	Due to Covid precautions this project experienced delays, however, the project is now actively moving forward. The funds are under agreement and it is expected that remaining funds from this source will be mostly or fully spent before the end of the 2023-25 biennium. Any unused funds will help support ongoing work in the lowland areas in 2025-27.	477,898	Everett	Snohomish	38	07 - Snohomish	48.01	-122.19
Everett Smelter Plume Uplands	The Asarco Everett Smelter Project (ESP) area is located in North Everett and contains elevated levels of arsenic and lead from the former smelter that exceed state cleanup levels. Of the more than 700 properties within the project area, over 670 residential properties have been sampled and more than 500 properties have been cleaned up or do not require cleanup. Remedial activities include conducting soil sampling, developing cleanup plans and engineering design specifications, and implementing remedial actions on the remaining residential properties. These funds are being used to continue cleanup of additional impacted properties. This important work helps reduce arsenic and lead exposure to children in particular who may come into contact with contaminated soil. Remediation also addresses environmental justice concerns because portions of the site exceed the 80 percentile for people of color, low income, English spoken less than very well, and people with less than a high school education.	Under agreement	Due to Covid precautions this project experienced delays, however, the project is now readily moving forward. The funds are under agreement and it is expected that remaining funds from this source will be mostly spent by the end of the 2023-25 biennium. Any unused funds will be needed in the next biennium to continue this important work.	798,132	Everett	Snohomish	38	07 - Snohomish	48.01	-122.19
Rayonier	Rayonier site has contamination in the upland soil, groundwater, and sediments. We have a contract with NewFields to assist with completing the Interim Action Plan, Responsiveness Summary, review Workplans and Engineering Design reports, and provide field oversight during contruction.	Under agreement	The active contract supports completing the IAP, Responsiveness Summary, workplans and engineering design. The contract also provides construction support. Momentum is good for completing the IAP and moving to the next stage of cleanup.	77,958	Port Angeles	Clallam	24	18 - Elwha - Dungeness	48.12	-123.41

Project Title	Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Eatonville Landfill	The former Eatonville Landfill is located near the Town of Eatonville in rural Pierce County and was leased by the Town of Eatonville and operated as an uncontrolled dump site for approximately 30 years. The landfill is completely surrounded by land owned by Washington State Parks. The lower face of the landfill terminates in a high-quality wetland that extends to the nearby Mashel River located approximately 500 feet to the south. Over time, wastes (i.e., tires and large metal debris) have migrated beyond the landfill prism into the wetland area beyond the toe of the landfill. State Parks, other stakeholders, and the Nisqually Indian Tribe are working on the redevelopment of the surrounding property at Nisqually Mashel State Park. Planned improvements include a nearby trailhead parking area, as well as trails and camping facilities that would be used as overflow camping from Mount Rainier National Park.	Partially under agreement	The remedy includes complete removal of the waste and impacted soil from the landfill area, select waste removal and monitored attenuation in the wetland area, and institutional controls. The construction was expected to happen in 2024. It is delayed because more time was needed to revise the cleanup documents and get the federal permit. The Corps has been working on the JARPA and done their 30-day public notice. We are expecting all funding to be spent by end of the 2025-27 biennium.	538,830	Eatonville	Pierce	2	11 - Nisqually	46.86	-122.32
Custom Plywood	Rayonier site has contamination in the upland soil, groundwater, and sediments. We have a contract with NewFields to assist with completing the Interim Action Plan, Responsiveness Summary, review Workplans and Engineering Design reports, and provide field oversight during contruction.	Expected to be under agreement by end of the 2023-25 biennium	The active contract supports completing the IAP, Responsiveness Summary, workplans and engineering design. The contract also provides construction support. Momentum is good for completing the IAP and moving to the next stage of cleanup.	1,043,829	Anacortes	Skagit	40	3 - Lower Skagit - Samish	48.49	-122.60
Stakeholder and Tribal Engagement	Provides essential and required tribal and public involvement and outreach. Public notice and participation is an integral part of the cleanup remedy selection process. The public notice and participation requirements for cleanups conducted by Ecology or conducted by a potentially liable person under an order or decree are described in rule (WAC 173-340-600).	Expected to be under agreement by end of the 2023-25 biennium	We expect most if not all of these funds to be spent by end of the 2025-27 biennium.	167,614	Puget Sound Wide	Puget Sound Wide	Puget Sound Wide	Puget Sound Wide	Puget Sound Wide	Puget Sound Wide
Bremerton Naval Complex NRDA	Supports continued data collection and analysis; legal support and stakeholder engagement. This leverages exiting efforts that could result in a significant settlement.	Expected to be under agreement by end of the 2023-25 biennium	Ecology will be initiating a NRDA action by summer of 2025.	200,000	Bremerton	Kitsap	26	15 - Kitsap	47.57	-122.63
TOTAL				**6,575,979**						

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 2:12PM

Project Number: 40000388
Project Title: 2021-23 Coastal Wetlands Federal Funds

Description

Starting Fiscal Year: 2022
Project Class: Grant - Pass Through
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the from the General Fund - Federal Account to finance the National Coastal Wetlands Conservation grant program, administered by the U.S. Fish & Wildlife Service, if Ecology is successful in receiving additional grants. Ecology administers the pass through of these federal grants to other state and local government entities. This provides financing to protect important coastal and estuarine areas that have significant conservation, recreation, or ecological value. Coastal wetlands make up less than 10 percent of the nation's land area, but support a wealth of plant and animal resources. Washington's coastal areas support a high percentage of threatened and endangered species, fishery resources, migratory songbirds, and migrating and wintering waterfowl. Related to Puget Sound Action Agenda Implementation.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Unknown until grant awards are made.

RCW that establishes grant: N/A

Application process used

None. Ecology helps local and tribal governments, state agencies, and nonprofit organizations apply for federal funding. Funding applications for National Coastal Wetlands Conservation grants are due in June.

Growth Management impacts

None; some local governments may secure grants to protect wetlands within their jurisdictions.

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	New Approps
001-2	General Fund-Federal	14,000,000	3,286,000	4,434,000	6,280,000	
	Total	**14,000,000**	**3,286,000**	**4,434,000**	**6,280,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
001-2	General Fund-Federal				
	Total	**0**	**0**	**0**	**0**

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 2:12PM

Project Number: 40000388
Project Title: 2021-23 Coastal Wetlands Federal Funds

Operating Impacts

No Operating Impact

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Capital Project Request

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:43PM

Project Number: **40000486**
Project Title: **2023-25 Product Replacement Program**

Description

Starting Fiscal Year: 2024
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Model Toxics Control Capital Account to fund its Product Replacement Program. The program provides financial incentives to Washington businesses to remove or replace harmful chemicals through technology and infrastructure upgrades, best management practices, disposal programs, and the use of safer chemicals. Requested funding will pay to replace machinery and/or make building improvements, which will produce long-term benefits for both the businesses and the public. Removing toxic chemicals from consumer products before they cause environmental harm is one of the least expensive, and most effective, ways to help protect Washington's environment, economy, and public health.This assistance avoids costly cleanups, improves the viability of the affected businesses, and protects the environment by reducing human and environmental exposure to toxic chemicals. Related to Puget Sound Action Agenda Implementation.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Proviso

N/A

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Local Governments and small businesses
RCW that establishes grant: N/A
Application process used

The primary methods for the distribution of funding is through direct reimbursement payments to businesses that implement an eligible product replacement, payment to a state contractor for collection and disposal, and contract awards to PPA partners to provide technical assistance. For each product replacement effort, Ecology develops a process to ensure funding is fairly and equitably across the state to the most businesses and communities possible.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
23N-1	MTC Capital Account-State	6,500,000		585,000	5,915,000	
	Total	**6,500,000**	**0**	**585,000**	**5,915,000**	**0**

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Capital Project Request

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:43PM

Project Number: 40000486
Project Title: 2023-25 Product Replacement Program

Funding

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

OFM

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Capital Project Request

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 2:04PM

Project Number: 40000396
Project Title: 2021-23 Puget Sound Nutrient Reduction Grant Program

Description

Starting Fiscal Year: 2022
Project Class: Grant - Pass Through
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the State Building Construction Account for pass-through grants to Puget Sound municipalities for wastewater nutrient reduction planning and optimization projects. The health of Puget Sound is significantly degraded by human sources of excess nutrients, which cause low dissolved oxygen, disrupt the food chain, and imperil our orca and salmon populations. To help address this situation, Ecology is developing a nutrient general permit for wastewater treatment facilities that will focus on establishing nutrient discharge limits, optimizing operations of the facilities as they exist, and planning for future improvements. This funding is needed to support these local governments in implementing the new nutrient general permit, and projects will help address significant impairments to the health of Puget Sound. Related to Puget Sound Action Agenda Implementation.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: 67 municipalities impacted by limits set through issuance of a nutrient general permit

RCW that establishes grant: N/A

Application process used

This funding will be directed to municipalities directly affected by the new nutrient general permit to help implement nutrient reduction capital planning and offset financial impacts that increase sewer rates. All 67 impacted facilities will be eligible to apply and grant resources will be awarded based on facility information and nutrient reduction priorities to be developed with stakeholder input. This program augments the existing water quality combined infrastructure funding programs by getting municipalities with WWTPs discharging to Puget Sound started with the planning that will eventually inform decisions around future design/construct projects. There is a broad range in facility types and discharge volumes of facilities represented by this group of municipalities. This program will work with each municipality to address specific needs to prioritize and maximize the use of planning and optimization dollars to achieve effective plans and actions to reduce nutrient discharges. Costs include set up and modification of the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	New Approps
057-1	State Bldg Constr-State	9,000,000	795,000	2,384,000	5,821,000	
	Total	**9,000,000**	**795,000**	**2,384,000**	**5,821,000**	**0**

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 2:04PM

Project Number: 40000396
Project Title: 2021-23 Puget Sound Nutrient Reduction Grant Program

Funding

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:28PM

Project Number: 30000670
Project Title: ASARCO Cleanup

Description

Starting Fiscal Year: 2018
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Cleanup Settlement Account to accelerate cleanup work related to the ASARCO smelter site in the City of Everett, which operated from 1894 to 1912. The smelter released arsenic, lead, and other contamination into the air that subsequently contaminated the city's residential soil, groundwater, and industrial areas adjacent to the Snohomish River. Without cleanup, these sites pose threats to public health, the environment, groundwater, and fish and wildlife resources. Cleaning up these sites will protect public and environmental health, create jobs, and promote economic growth. Related to Puget Sound Action Agenda Implementation.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

See attached project list for detailed subproject descriptions, statuses, and reappropriation explanations.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Department of Ecology
RCW that establishes grant: Chapter 70A.305 RCW
Application process used

This is a capital project directly operated and controlled by Ecology.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	New Approps
15H-1	Cleanup Set Acct-State	28,760,000	19,221,000	4,037,000	5,502,000	
	Total	**28,760,000**	**19,221,000**	**4,037,000**	**5,502,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
15H-1	Cleanup Set Acct-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:28PM

Project Number: 30000670
Project Title: ASARCO Cleanup

Operating Impacts

No Operating Impact

Ecology Capital Reappropriation Project List

August 2024

Purpose: Identify the subprojects, status, and justification for 2025-27 capital reappropriation requests that were originally funded prior to the 2021-23 biennium. Amount remaining based on expenditures through June 2024.

30000670	ASARCO Cleanup

Project Title	Project Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Tacoma Smelter Plume	These funds continue cleanup work related to the ASARCO smelter site in Tacoma. ASARCO operated a smelter in Tacoma that released arsenic, lead, and other contamination into the air. The pollution settled down to earth in the Tacoma Smelter Plume. The smelter operated from 1890 to 1986 and contaminated over 1,000 square miles in the lower Puget Sound.	Mostly under agreement	These funds are supporting several different agreements: Interagency agreements with local health departments to provide education and outreach to impacted communities; engineering agreement to design residential yard remediation; public works contracts to conduct the yard remediation; a goods and services contract for cultural resource review and support. Contracts were significantly delayed during COVID due to various safety precautions including limitations to contracting and field work.	5,103,064	Ruston	Pierce	27	12 - Chambers - Clover	47.30	-122.51
Van Stone Mine	The Van Stone Mine was the State's largest open pit mine. The mine is located about 28 miles northeast of Colville. The mine operated from 1951 to 1994 under several owners, including Asarco. Approximately 270,000 tons of ore were extracted from 1.3 million tons of rock.	Expected to be under agreement by end of biennium	We have an active Architectural and Engineering (A&E) agreement for design of an emergency dam lowering to protect those downstream. All current funds are needed to support both the active agreement and the subsequent public works agreement.	398,806	Colville	Stevens	7	61 - Upper Lake Roosevelt	48.76	-117.76
TOTAL				**5,501,870**						

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:48PM

Project Number: **40000114**
Project Title: **2019-21 ASARCO Cleanup**

Description

Starting Fiscal Year: 2020
Project Class: Grant - Pass Through
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Cleanup Settlement Account to accelerate cleanup work related to the ASARCO smelter site in the City of Everett, which operated from 1894 to 1912. The smelter released arsenic, lead, and other contamination into the air that subsequently contaminated the city's residential soil, groundwater, and industrial areas adjacent to the Snohomish River. Without cleanup, these sites pose threats to public health, the environment, groundwater, and fish and wildlife resources. Cleaning up these sites will protect public and environmental health, create jobs, and promote economic growth. Related to Puget Sound Action Agenda Implementation.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

See attached project list for detailed subproject descriptions, statuses, and reappropriation explanations.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Department of Ecology
RCW that establishes grant: Chapter 70A.305 RCW
Application process used

This is a capital project directly operated and managed by Ecology.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
15H-1	Cleanup Set Acct-State	6,800,000	800,000	775,000	5,225,000	
	Total	**6,800,000**	**800,000**	**775,000**	**5,225,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
15H-1	Cleanup Set Acct-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:48PM

Project Number: 40000114
Project Title: 2019-21 ASARCO Cleanup

Operating Impacts

No Operating Impact

Ecology Capital Reappropriation Project List

August 2024

Purpose: Identify the subprojects, status, and justification for 2025-27 capital reappropriation requests that were originally funded prior to the 2021-23 biennium. Amount remaining based on expenditures through June 2024.

40000114	2019-21 ASARCO Cleanup

Project Title	Project Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Tacoma Smelter Plume	These funds continue cleanup work related to the ASARCO smelter site in Tacoma. ASARCO operated a smelter in Tacoma that released arsenic, lead, and other contamination into the air. The pollution settled down to earth in the Tacoma Smelter Plume. The smelter operated from 1890 to 1986 and contaminated over 1,000 square miles in the lower Puget Sound.	Obligated to staff time and subsequent agreements that are in process.	These funds are supporting several different agreements: Interagency agreements with local health departments to provide education and outreach to impacted communities; engineering agreement to design residential yard remediation; public works contracts to conduct the yard remediation; a goods and services contract for cultural resource review and support. Contracts were significantly delayed during COVID due to various safety precautions including limitations to contracting and field work.	5,225,090	Ruston	Pierce	27	12 - Chambers - Clover	47.30	-122.51
TOTAL				**5,225,090**						

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:32PM

Project Number: **30000712**
Project Title: **Columbia River Water Supply Development Program**

Description

Starting Fiscal Year: 2018
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Columbia River Basin Water Supply Revenue Recovery Account to continue implementing the Columbia River Basin Water Supply Development Program (Chapter 90.90 RCW). This request will fund projects that are in various stages of completion and provide the Office of Columbia River with resources needed to continue project implementation in fucture biennia. Specifically, these funds will: provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water for pending water right applications; develop new, uninterruptible water supply for those presently subject to interruption during times of drought or low flows; develop new municipal, domestic, industrial, and irrigation water throughout the Columbia River basin; and, place one-third of these new water supplies in-stream to meet the flow needs of fish, wildlife, and recreational users. With this investment, Ecology will help meet priority needs of the water users in the Columbia River basin.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

See attached project list for detailed subproject descriptions, statuses, and reappropriation explanations.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Local Entities
RCW that establishes grant: N/A
Application process used

Competitive grants to local entities for projects developed in cooperation with the Columbia River Basin Policy Advisory Group.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	New Approps
057-1	State Bldg Constr-State	19,550,000	18,261,000	405,000	884,000	
10P-1	Col River Water-State	12,250,000	8,047,000	644,000	3,559,000	
10P-B	Col River Water-Debt Limit					
296-1	Col River Bas Wtr Su-State	2,000,000	1,107,000	204,000	689,000	
	Total	**33,800,000**	**27,415,000**	**1,253,000**	**5,132,000**	**0**

461 - Department of Ecology
Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:32PM

Project Number: 30000712
Project Title: Columbia River Water Supply Development Program

Funding

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
10P-1	Col River Water-State				
10P-B	Col River Water-Debt Limit				
296-1	Col River Bas Wtr Su-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

Ecology Capital Reappropriation Project List

August 2024

Purpose: Identify the subprojects, status, and justification for 2025-27 capital reappropriation requests that were originally funded prior to the 2021-23 biennium. Amount remaining based on expenditures through June 2024.

30000712	Columbia River Water Supply Development

Project Title	Project Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
USBR	Funding is used to implement projects identified as part of the Columbia River Basin Initiative per RCW 90.90.	Under agreement	Ecology will continue to implement Columbia River Basin Projects per RCW 90.90 in coordination with the Columbia River Policy Advisory Group to improve water supply conditions basinwide during the 2025-27 biennium.	68,010	Various	Various	Various	Various	Multiple Project Locations	Multiple Project Locations
Klickitat County Natural Resources	The object of this grant is to complete activities under SEPA scoping, engage stakeholders through additional outreach, perform supplemental technical study to better inform the evaluation of environmental impacts, and prepare an EIS related to construction and operation of the proposed Switzler Reservoir.	Under agreement	Ecology will continue to implement Columbia River Basin Projects per RCW 90.90 in coordination with the Columbia River Policy Advisory Group to improve water supply conditions basinwide during the 2025-27 biennium.	208,973	N/A	N/A	N/A	N/A	N/A	N/A
Icicle Irrigation District	This project provides funding for the response to emergency conditions at the Eight Mile Lake/Reservoir and development of a proposal for repair and/or replacement and modernization of the dam and release works.	Under agreement	Ecology will continue to implement Columbia River Basin Projects per RCW 90.90 in coordination with the Columbia River Policy Advisory Group to improve water supply conditions basinwide during the 2025-27 biennium.	88,663	Leavenworth	Chelan	12	45	N/A	N/A
West Richland	The City of West Richland is in need of additional source water for the municipal water system. The water quality at existing groundwater sources has been steadily declining. Additional groundwater sources do not seem to be the best solution. The City of West Richland has access to surface water through an intertie with the City of Richland. This project will fund the assessment of storing surface water during winter months and for recovery during critical summer months at Well 10.	Under agreement	Ecology will continue to implement Columbia River Basin Projects per RCW 90.90 in coordination with the Columbia River Policy Advisory Group to improve water supply conditions basinwide during the 2025-27 biennium.	141,816	West Richland	Benton	16	37	TBD	TBD

Project Title	Project Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Othello	The City of Othello has experienced declines in groundwater supply and has advanced design of an Aquifer Storage and Recovery (ASR) program to augment its future supply. An ASR feasibility study and Phase 1 Pilot Test have been completed and found an ASR program could be successfully implemented. This work involves a demonstration-scale Phase 2 Pilot Test using a new recharge well location (Well 8) and recharge source developed from the Columbia Basin Project water at a nearby canal.	Under agreement	Ecology will continue to implement Columbia River Basin Projects per RCW 90.90 in coordination with the Columbia River Policy Advisory Group to improve water supply conditions basinwide during the 2025-27 biennium.	606	Othello	Adams	15	36	46.83	119.18
Confederated Tribes of Colville	The RECIPIENT will provide Cultural Resource Management assistance for tasks associated with the Odessa Subarea, Columbia River Project, Washington State and will complete reports to the Confederated Colville Tribes (CCT) History/Archaeology Program (H/A) Tribal Historic Preservation Officer (THPO).	Under agreement	Ecology will continue to implement Columbia River Basin Projects per RCW 90.90 in coordination with the Columbia River Policy Advisory Group to improve water supply conditions basinwide during the 2025-27 biennium.	11,817	N/A	N/A	Various	Various	Multiple Project Locations	Multiple Project Locations
WDFW	Icicle-Peshastin Irrigation District and the RECIPIENT have partnered to install a new, regulatory-compliant fish screen at the District's point of diversion in Icicle Creek. The new screen will protect all fish species at all life stages from injury, entrainment, and mortality. Construction is scheduled to be completed fall of 2022 to spring of 2023.	Under agreement	Ecology will continue to implement Columbia River Basin Projects per RCW 90.90 in coordination with the Columbia River Policy Advisory Group to improve water supply conditions basinwide during the 2025-27 biennium.	160,998	N/A	N/A	N/A	N/A	N/A	N/A
City of Dayton	Assist the City of Dayton to perform "due diligence" work associated with a land purchase to site a new wastewater treatment plant and treatment wetlands. The City has a requirement from Ecology to remove discharge from the Touchet River during the months of April – October of each year.	Under agreement	Ecology will continue to implement Columbia River Basin Projects per RCW 90.90 in coordination with the Columbia River Policy Advisory Group to improve water supply conditions basinwide during the 2025-27 biennium.	55,000	Dayton	Columbia	9	33	TBD	TBD
Confederated Tribes Umatilla	The Confederated Tribes of the Umatilla Indian Reservation (CTUIR) seeks to restore floodplain function, improve fish habitat, put 350 acres of floodplain into a permanent conservation easement, and purchase instream water rights.	Under agreement	Ecology will continue to implement Columbia River Basin Projects per RCW 90.90 in coordination with the Columbia River Policy Advisory Group to improve water supply conditions basinwide during the 2025-27 biennium.	140,000	TBD	TBD	TBD	TBD	TBD	TBD

Project Title	Project Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Tri-State Steelheaders	Design project that addresses a passage barrier for Mid-Columbia Summer Steelhead, Bull Trout, and reintroduced Spring Chinook at the downstream end of the Mill Creek flood control channel in the Walla Walla watershed. The goal of this project is to take a conceptual design funded by WA Recreation and Conservation Office (RCO) and Confederated Tribes of the Umatilla Indian Reservation (CTUIR) to final design with plan set and report ready for a future construction project.	Under agreement	Ecology will continue to implement Columbia River Basin Projects per RCW 90.90 in coordination with the Columbia River Policy Advisory Group to improve water supply conditions basinwide during the 2025-27 biennium.	5,664	TBD	Walla Walla	16	32	TBD	TBD
WDFW	Icicle Creek Strategy Support	Under agreement	Ecology will continue to implement Columbia River Basin Projects per RCW 90.90 in coordination with the Columbia River Policy Advisory Group to improve water supply conditions basinwide during the 2025-27 biennium.	132,379	N/A	N/A	N/A	N/A	N/A	N/A
AMP Insights	Water Rights Acquisition Support	Under agreement	Ecology will continue to implement Columbia River Basin Projects per RCW 90.90 in coordination with the Columbia River Policy Advisory Group to improve water supply conditions basinwide during the 2025-27 biennium.	237,144	Various	Various	Various	Various	Multiple Project Locations	Multiple Project Locations
Columbia River Basin Projects per RCW 90.90 in coordination with the Columbia River Policy Advisory Group	Funding is used to implement projects identified as part of the Columbia River Basin Initiative per RCW 90.90.	Expected to be under agreement by the end of the 2023-25 biennium	Ecology will continue to implement Columbia River Basin Projects per RCW 90.90 in coordination with the Columbia River Policy Advisory Group to improve water supply conditions basinwide during the 2025-27 biennium. Water supply project typically take 3 to 7 years to implement and complete depending on complexity and scale. Columbia River Basin projects often have multiple phases to implement due to the large geographic area that water supply improvements encompass.	3,880,837						
TOTAL				**5,131,907**						

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 12:42PM

Project Number: **92000195**
Project Title: **2022 Stormwater Projects**

Description

Starting Fiscal Year: 2022
Project Class: Grant - Pass Through
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Model Toxics Control Stormwater Account to provide funding to build a stormwater treatment facility under the Union Ship Canal Bridge. The facility will be designed to treat legacy stormwater not currently projected for treatment retrofits through current or planned redevelopment. This project has two goals: (1) to achieve water quality standards in stormwater discharge into Port Angeles harbor from the Port of Port Angeles (Port) log handling facilities AND, (2) to protect significant archeological and cultural resources that likely underlay the site.

Project Description

Estimates for capital reappropriation amounts are based on current biennium apppropriations minus expenditures through June 2024 Fiscal Month 12.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: TBD
RCW that establishes grant: 70.105D.210
Application process used

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
23R-1	MTC Stormw Account-State	4,855,000			4,855,000	
	Total	**4,855,000**	**0**	**0**	**4,855,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
23R-1	MTC Stormw Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:40PM

Project Number: **40000526**
Project Title: **2023-25 Protect Investments in Cleanup Remedies**

Description

Starting Fiscal Year: 2024
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Model Toxics Control Capital Account to support cleanup costs at Superfund-financed sites, or when Washington assumes liability for a cleanup. When the U.S. Environmental Protection Agency cleans up a site in Washington, the state enters into a State Superfund Contract. It binds Washington to pay for ten percent of the cleanup construction costs and 100 percent of the long-term operation and maintenance costs of the cleanup remedy. When Washington assumes responsibility for a cleanup site – like after a bankruptcy, or when a site is orphaned or abandoned – protecting the remedy requires ongoing investment. This request will provide funding to meet legal requirements, protect public investments in cleanup, and protect human health and the environment from remedy failure. Related to Puget Sound Action Agenda Implementation.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Proviso

No

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A
Application process used

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
23N-1	MTC Capital Account-State	4,450,000			4,450,000	
	Total	**4,450,000**	**0**	**0**	**4,450,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:40PM

Project Number: 40000526
Project Title: 2023-25 Protect Investments in Cleanup Remedies

Funding

Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:49PM

Project Number: **40000116**
Project Title: **2019-21 Centennial Clean Water Program**

Description

Starting Fiscal Year: 2020
Project Class: Grant - Pass Through
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the State Building Construction Account for Ecology's Centennial Clean Water Program. This program provides grants to public entities to finance the construction of water pollution control facilities and implement nonpoint pollution control activities. Ecology distributes the funds through a statewide competitive rating and ranking process. Grant recipients are public entities that use the funds to address high priority statewide water quality needs. The work done by public entities using these funds is an integral and essential part of the state's strategy to reduce pollution and protect our marine waters, estuaries, lakes, rivers, and groundwater resources. The Centennial Clean Water Program is a critical program for meeting the clean water needs for small, disadvantaged communities. Related to Puget Sound Action Agenda Implementation.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

See attached project list for detailed subproject descriptions, statuses, and reappropriation explanations.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Public entities, local gov'ts, special purpose distr., quasi municipals, fed. recognized tribes.
RCW that establishes grant: Chapter 70.146 RCW
Application process used

Ecology manages an integrated annual funding approach using a joint application, evaluation, and rating and ranking process for the SRF, Centennial Clean Water Program, Stormwater Financial Assistance Program, and the Clean Water Act Section 319 federal grant program. The application period begins in August with applications due mid-October. Ecology staff screen, review, and rate and rank the applications from November through December. The evaluation and points are assigned according to an objective rating system that identifies the highest priority water quality needs statewide. In January, Ecology produces a combined draft project list for the Legislature to use during budget considerations. The list becomes final on July 1 or sooner, contingent on Capital Budget appropriations.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	New Approps
057-1	State Bldg Constr-State	30,000,000	20,892,000	5,154,000	3,954,000	
	Total	**30,000,000**	**20,892,000**	**5,154,000**	**3,954,000**	**0**

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:49PM

Project Number: 40000116
Project Title: 2019-21 Centennial Clean Water Program

Funding

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

Ecology Capital Reappropriation Project List

August 2024

Purpose: Identify the subprojects, status, and justification for 2025-27 capital reappropriation requests that were originally funded prior to the 2021-23 biennium. Amount remaining based on expenditures through June 2024.

40000116	2019-21 Centennial Clean Water Program

Project Name	Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
CRAFT3	Regional Loan Program (RLP) provides loans to fix failing, malfunctioning, and inadequate on-site sewage systems (OSS) with a priority on those which pose risks to public health or water quality. The RLP provides a cost effective mechanism to improve water quality and public health and transfers banking responsibilities from local governments to a financial institution, which reduces barriers to compliance and contributes to improved public health and water quality.	Under agreement	Project expected to reach completion in 2025-27 biennium.	13,213		Statewide				
BURIEN CITY OF	This project will improve water quality in Miller Creek through the design and installation of modular wetlands and permeable pavement, and will create approximately 1.4 acres of new vegetated floodplain in the City of Burien. This project will provide treatment for total suspended solids (TSS), dissolved copper, dissolved zinc, and total phosphorus, and reduce flows to Miller Creek. The instream features will help aerate the creek and vegetated buffers will provide shade.	Under agreement	Project expected to reach completion in 2025-27 biennium.	67,500	Burien	King	34	9	47.31	-122.36
CLALLAM COUNTY	This project improves water quality through the design and construction of wastewater collection facilities at the communities of Sekiu and Clallam Bay in Clallam County. This project increases capacity and repairs/replaces existing infrastructure. The project will replace approximately 240 feet of 6-inch and 12,300 feet of 8-inch diameter sanitary sewer, 75 manholes, and 71 side sewer connections. Additional benefits of this project include elimination of infiltration/inflow (I/I) sources.	Under agreement	Project expected to reach completion in 2025-27 biennium.	1,757,597		Clallam	24	19	48.24	-124.30
LUMMI INDIAN BUSINESS COUNCIL	This project will improve water quality in Kwina Slough and Smuggler's Slough by removing barriers to flow and restoring connectivity with the Nooksack River, replanting 17.63 acres of riparian buffer along 2.35 miles of slough channels, and monitoring water quality. This project will result in improved water quality for Lummi Bay shellfish beds and ESA listed salmonids in WRIA 1.	Under agreement	Project expected to reach completion in 2025-27 biennium.	86,015		Whatcom	42	1	48.81	-122.63
YAKIMA COUNTY PUBLIC WORKS	This project improves water quality in the Yakima River through the design and construction of wastewater treatment facility improvements in the City of Buena. This project increases capacity and improves wastewater treatment. Additional benefits of this project include the ability to better operate and maintain the treatment facility with proper redundancy.	Under agreement	Project expected to reach completion in 2025-27 biennium.	1,373		Yakima	15	37	46.42	-120.32
CHELAN COUNTY NATURAL RESOURCES	This project will continue to address temperature, Dissolved Oxygen (DO), water quality, and bacteria listings in the Chumstick Watershed. Building on efforts initiated in WQC-2020-ChCoNR-00135, this project includes water storage and vegetation improvements on four acres of riparian property, monitoring and maintenance of completed projects, outreach and training for high school students, and development of one project plan through outreach and prioritization planning.	Under agreement	Project expected to reach completion in 2025-27 biennium.	5,240		Chelan	12	45	47.52	-120.74

Project Name	Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
CLARK COUNTY PUBLIC WORKS	The RECIPIENT will complete planning, design, permitting, site preparation, SPCC Plan, mobilization activities, and signage for the restoration of 5 acres of wetlands and 2.7 acres of riparian buffer along a channelized section of Cougar Creek headwaters on the RECIPIENT's Heritage Farm property. Planting and wetland restoration will occur following this project and will increase infiltration, reduce water temperatures, and improve habitat in Cougar Creek's headwaters.	Under agreement	Project expected to reach completion in 2025-27 biennium.	186,941		Clark	49	28	45.68	-122.65
CLARK COUNTY PUBLIC WORKS	The RECIPIENT will restore approximately 13.23 acres of riparian buffer located on Clark County-owned property stretching nearly 3,500 feet along the south bank of the East Fork Lewis River. The project site is prioritized by the Lower Columbia Fish Recovery Board's EFLR Habitat Conservation Plan and the East Fork Lewis River Water Cleanup Plan as having significant shade deficit contributing to increased water temperatures.	Under agreement	Project expected to reach completion in 2025-27 biennium.	3,178		Clark	18	27	45.85	-122.66
GARFIELD TOWN OF	This project improves water quality in the Snake River Watershed through the design and construction of new sewer lines to replace existing concrete and clay tile sewer lines at the Garfield Wastewater Treatment Plant. This project addresses key deficiencies in the sewer collection system. Additional benefits of this project include lower flows to the treatment plant and the ability to better treat the wastewater before discharging to Silver Creek.	Under agreement	Project expected to reach completion in 2025-27 biennium.	92,844		Whitman	9	34	47.01	-117.14
KING CO WATER & LAND RESOURCES	The RECIPIENT will plant trees and shrubs on several properties to reduce temperatures and improve fish and wildlife habitat in a degraded reach of Newaukum Creek. This project continues a 14-year effort to improve water quality and habitat along this stream and implements recommendations of ECOLOGY's Newaukum Creek Total Maximum Daily Load (TMDL).	Under agreement	Project expected to reach completion in 2025-27 biennium.	7,621		King	31	9	47.21	-122.01
LUMMI SEWER & WATER DISTRICT	This project will improve water quality by eliminating sewer system overflows to Hales Passage. The project includes the design and construction of improvements to Pump Stations 1, 1-A, and 10, and associated force mains flowing to the Gooseberry Point Wastewater Treatment Plant (WWTP) and is only a portion of the larger Gooseberry Point WWTP Improvements Construction Project.	Under agreement	Project expected to reach completion in 2025-27 biennium.	566,025		Whatcom	42	1	48.76	-122.63
ODESSA TOWN OF	This project improves water quality in Crab Creek through the design and construction of wastewater collection facilities at the RECIPIENT's main lift station in the Town of Odessa. This project increases capacity at the RECIPIENT's main lift station. Additional benefits of this project include protection of human health.	Under agreement	Project expected to reach completion in 2025-27 biennium.	118,931		Lincoln	13	43	47.33	-118.69
PALOUSE CONSERVATION DISTRICT	The RECIPIENT will continue to improve water quality in Whitman County streams by implementing a minimum of ten acres of riparian buffer and 6,750 acres of direct seeding. The RECIPIENT will conduct monitoring efforts on changes in crop residue cover with conservation farming practices and implement an outreach and education program to further improve water quality awareness throughout Whitman County.	Under agreement	Project expected to reach completion in 2025-27 biennium.	43,745		Whitman	9	34	46.90	-117.52
SNOHOMISH CONSERVATION DISTRICT	The RECIPIENT will reforest 13 acres of riparian forest and control knotweed on 38 acres of floodplain forest along the lower Skykomish River. The project will restore critical habitat for Chinook salmon and provide shade that will reduce water temperature and improve dissolved oxygen. The project is located along 2,275 feet of the left bank of the Skykomish River and 2,025 feet of a partially connected side channel to the Skykomish River; an unnamed stream also flows into the side channel.	Under agreement	Project expected to reach completion in 2025-27 biennium.	68,878		Snohomish	39	7	48.28	-122.19

Project Name	Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
YAKAMA NATION CONFEDERATED TRIBE	This project will address historic channelization and floodplain disconnection along Carrols Creek, a tributary of the Little Klickitat River. The project will restore historic conditions across a 21-acre meadow and surrounding areas, improving watershed function and increasing infiltration to benefit streamflow during the critical summer season. This phase includes reconnaissance; water quality monitoring and analysis; alternative, 30%, and 60% designs; site preparation; and education.	Under agreement	Project expected to reach completion in 2025-27 biennium.	83,150		Klickitat	14	30	45.89	-120.76
ST JOHN TOWN OF	This project improves water quality in Pleasant Valley Creek through the design and construction of upgraded wastewater treatment facilities for the Town of St John. This project replaces an aged wastewater treatment facility originally constructed in the 1950s. The new facility will include new screening capabilities, an activated sludge package plant, UV disinfection, new solids drying beds, a new operations building, and a new outfall.	Under agreement	Project expected to reach completion in 2025-27 biennium.	556,070		Whitman	9	34	47.09	-117.59
Pending Centennial Clean Water Program Project	WQP will allocate $297k to a grant recipient to implement riparian restoration best management practices in a priority watershed identified by a water quality clean up plan (TMDL). Members of WQPs Financial Management Section solicited and reviewed project proposals from regional nonpoint staff with assistance from Watershed Management Section staff to select the high value project.	Expected to be under agreement by the end of the 2023-25 biennium.	Project expected to reach completion in 2025-27 biennium.	296,112						
TOTAL				**3,954,434**						

Note: The following project is excluded from the 2025-27 reappropriation estimate because it is expected to be fully spent by the end of the 2023-25 biennium:
1. Spokane Conservation District - $699,079 remaining through June 2024

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 2:05PM

Project Number: 40000391
Project Title: 2021-23 Sunnyside Valley Irrigation District Water Conservation

Description

Starting Fiscal Year: 2022
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the State Building Construction Account to provide funding to continue the construction schedule for the state's share of the Yakima River Basin Water Enhancement Project. The United States Bureau of Reclamation manages conservation improvements required by the Sunnyside Division Water Rights Settlement Agreement in the Yakima Basin Water Rights Adjudication. (State of Washington, Department of Ecology vs. James J. Acquavella, et al.) These are multi-year projects, and Ecology is requesting continued funding to cover the required state match of 17.5 percent of total project costs for the next several biennia.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Public Agriculture Water Supply Facilities and US. Bureau of Reclamation
RCW that establishes grant: N/A
Application process used

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	4,281,000		359,000	3,922,000	
	Total	**4,281,000**	**0**	**359,000**	**3,922,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:57PM

Project Number: **40000465**
Project Title: **2022 Clean Up Toxic Sites – Puget Sound**

Description

Starting Fiscal Year: 2022
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Model Toxics Control Capital Account to support projects that integrate shoreline habitat restoration opportunities with cleanup projects to protect public and environmental health, create jobs, and promote economic development. A significant source of pollution to Puget Sound is contaminated sites around the basin and its shorelines. Ecology has been identifying and cleaning up contaminated sites in the Puget Sound basin for many years. This emphasis on bay-wide cleanup in the Sound and surrounding areas has highlighted a valuable link between toxic site cleanup and habitat restoration. Related to Puget Sound Action Agenda Implementation.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Location

City: Unincorporated **County:** Pierce **Legislative District:** 002

Project Type

Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A
Application process used

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
23N-1	MTC Capital Account-State	4,000,000	11,000	231,000	3,758,000	
	Total	**4,000,000**	**11,000**	**231,000**	**3,758,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 2:19PM

Project Number: **40000346**
Project Title: **2021-23 Clean Up Toxic Sites – Puget Sound**

Description

Starting Fiscal Year: 2022
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Model Toxics Control Capital Account to support projects that integrate shoreline habitat restoration opportunities with cleanup projects to protect public and environmental health, create jobs, and promote economic development. A significant source of pollution to Puget Sound is contaminated sites around the basin and its shorelines. Ecology has been identifying and cleaning up contaminated sites in the Puget Sound basin for many years. This emphasis on bay-wide cleanup in the Sound and surrounding areas has highlighted a valuable link between toxic site cleanup and habitat restoration. Related to Puget Sound Action Agenda Implementation.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A
Application process used

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
23N-1	MTC Capital Account-State	5,808,000	1,213,000	989,000	3,606,000	
	Total	**5,808,000**	**1,213,000**	**989,000**	**3,606,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

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OFM

461 - Department of Ecology
Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:34PM

Project Number: **30000714**
Project Title: **Watershed Plan Implementation and Flow Achievement**

Description

Starting Fiscal Year: 2018
Project Class: Grant - Pass Through
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the State Building Construction Account for projects previously authorized by the Legislature to finance capital projects and water acquisition strategies for implementing locally developed watershed plans. Local watershed plans were developed using state grant funds issued under Chapter 90.82 RCW (Watershed Planning). These plans identify many statewide capital needs, including new projects, rehabilitation of existing water systems, water conservation and acquisition of existing water rights for instream flow and other future needs. These projects and acquisitions will help watershed units meet future water needs while achieving recommended instream flows.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

See attached project list for detailed subproject descriptions, statuses, and reappropriation explanations.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Local entities with an adopted watershed plan or other similar type plan.
RCW that establishes grant: Chapter 98.82 RCW
Application process used

A competitive grant process will be used for each of the categories funded through this appropriation.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	5,000,000	1,659,000	35,000	3,306,000	
	Total	**5,000,000**	**1,659,000**	**35,000**	**3,306,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

Project Number: 30000714
Project Title: Watershed Plan Implementation and Flow Achievement

Operating Impacts

No Operating Impact

OFM

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:23PM

Project Number: **40000559**
Project Title: **2023-25 Sunnyside Valley Irrigation District Water Conservation**

Description

Starting Fiscal Year: 2024
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the State Building Construction Account to provide funding for Phase IIE to continue the construction schedule for the state's share of the Yakima River Basin Water Enhancement Project. The United States Bureau of Reclamation manages conservation improvements required by the Sunnyside Division Water Rights Settlement Agreement in the Yakima Basin Water Rights Adjudication. (State of Washington, Department of Ecology vs. James J. Acquavella, et al.) These are multi-year projects, and Ecology is requesting continued funding to cover the required state match of 17.5 percent of total project costs for the next several biennia. The Sunnyside Valley Irrigation District Phase 2 project cost is estimated at $80 million, and Ecology's cost share is $14 million over an 11 to 15 year construction period.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Proviso

None

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Public Agriculture Water Supply Facilities and US. Bureau of Reclamation
RCW that establishes grant: None
Application process used

N/A

Growth Management impacts

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	3,246,000			3,246,000	
	Total	**3,246,000**	**0**	**0**	**3,246,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:23PM

Project Number: 40000559
Project Title: 2023-25 Sunnyside Valley Irrigation District Water Conservation

Operating Impacts

No Operating Impact

OFM

461 - Department of Ecology
Capital Project Request

2025-27 Biennium

*

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 2:14PM

Project Number: 40000386
Project Title: 2021-23 ASARCO Tacoma Smelter Plume Cleanup

Description

Starting Fiscal Year: 2022
Project Class: Grant - Pass Through
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Cleanup Settlement Account to accelerate cleanup work related to the ASARCO smelter site in the City of Everett, which operated from 1894 to 1912. The smelter released arsenic, lead, and other contamination into the air that subsequently contaminated the city's residential soil, groundwater, and industrial areas adjacent to the Snohomish River. Without cleanup, these sites pose threats to public health, the environment, groundwater, and fish and wildlife resources. Cleaning up these sites will protect public and environmental health, create jobs, and promote economic growth. Related to Puget Sound Action Agenda Implementation.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A
Application process used

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
15H-1	Cleanup Set Acct-State	3,000,000			3,000,000	
	Total	**3,000,000**	**0**	**0**	**3,000,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
15H-1	Cleanup Set Acct-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:08PM

Project Number: **40000569**
Project Title: **2023-25 Stormwater Public Private Partnerships**

Description

Starting Fiscal Year: 2024
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Model Toxics Control Stormwater Account to to continue fund Phase II of its Stormwater Community-based Public-Private Partnership (CBP3). Stormwater runoff affects water quality and harms aquatic life and salmon. The CBP3 program is building the capacity of local governments to develop and manage CBP3s that achieve stormwater quality goals and improve the quality of life in communities across the state. In Phase I of this project, Ecology is working in partnership with the Association of Washington Cities and Department of Commerce to recruit and manage a qualified consultant(s) with experience developing CBP3s. In this second phase, Ecology and our partners will provide technical assistance and funding though a competitive grant process to help between eight and 12 communities through the assessment and development process described in the Department of Commerce publication “Is a Community-Based Public-Private Partnership Right for your Community? A Guide for Washington State”. Related to Puget Sound Action Agenda Implementation.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Proviso

N/A

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A

Application process used

This second phase of the Stormwater CBP3 pilot program will award grants over two years to local governments though a competitive process. The specific criteria that will be used to review and rank application are: 1) demonstrated support from local political and community leaders and stakeholders, 2) the net gain in stormwater quality benefit, and 3) benefits to disadvantaged communities. Applications will be accepted annually, and be reviewed and ranked by Ecology Water Quality Program staff, CBP3 technical experts, and Department of Commerce staff. Final agreements will be drafted and finalized by Ecology staff. Grant applications will be submitted via Ecology’s EAGL system. Costs include set up and modification of the grant/loan applications in the agency’s grant and loan system. The grants will provide funding for both CBP3 development experts and additional municipal staff resources to ensure that the grants result in both viable projects and the transfer of knowledge and skills to the municipality. The CBP3 Capacity and Partnership Grants will not have a match requirement.

Growth Management impacts

Compliance with GMA will be a condition of funding for all projects receiving design or construction funding.

Funding

	Expenditures	2025-27 Fiscal Period

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Capital Project Request

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*

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:08PM

Project Number: 40000569
Project Title: 2023-25 Stormwater Public Private Partnerships

Funding

Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
23R-1	MTC Stormw Account-State	3,000,000			3,000,000	
	Total	**3,000,000**	**0**	**0**	**3,000,000**	**0**

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
23R-1	MTC Stormw Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

OFM

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 2:16PM

Project Number: 40000378
Project Title: 2021-23 Healthy Housing Remediation Program

Description

Starting Fiscal Year: 2022
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Model Toxics Control Capital Account to fund brownfield site cleanups by public, nonprofit, or private developers proposing to redevelop the sites for affordable housing. The program will continue to invest in a social good (housing) beyond the traditional economic good of brownfield redevelopment for commercial and industrial purposes.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Local Governments, Nonprofit, and Private Housing Organizations
RCW that establishes grant: RCW 70A.305.190(4)(a)(iv)
Application process used

N/A

Growth Management impacts

Supports redevelopment of brownfield properties in urban areas.

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
23N-1	MTC Capital Account-State	10,549,000	4,996,000	2,595,000	2,958,000	
	Total	**10,549,000**	**4,996,000**	**2,595,000**	**2,958,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:40PM

Project Number: **40000109**
Project Title: **Reduce Air Pollution from Transit/Sch. Buses/State-Owned Vehicles**

Description

Starting Fiscal Year: 2018
Project Class: Grant - Pass Through
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Air Pollution Control Account to invest in a grant program to replace older, high-polluting vehicles across the state with clean, low-emission technology, with a focus on school and transit buses. In late 2015, Ecology penalized Volkswagen AG (VW) for selling vehicles that violated state clean air laws. VW has paid $28.4 million to Ecology to settle those violations. This reappropriation request will reduce air pollution, help prevent violations of federal air quality standards, improve public health, and reduce operating costs and improve transportation reliability for fleet owners.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

See attached project list for detailed subproject descriptions, statuses, and reappropriation explanations.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Various
RCW that establishes grant: N/A
Application process used

Ecology will solicit applications from transit authorities, school districts, and local and state governments.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
216-1	Air Pollution Ctl Ac-State	28,400,000	19,983,000	5,604,000	2,813,000	
	Total	**28,400,000**	**19,983,000**	**5,604,000**	**2,813,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
216-1	Air Pollution Ctl Ac-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:40PM

Project Number: 40000109
Project Title: Reduce Air Pollution from Transit/Sch. Buses/State-Owned Vehicles

Operating Impacts

No Operating Impact

Ecology Capital Reappropriation Project List

August 2024

Purpose: Identify the subprojects, status, and justification for 2025-27 capital reappropriation requests that were originally funded prior to the 2021-23 biennium. Amount remaining based on expenditures through June 2024.

40000109	Reduce Air Pollution from Transit/Sch. Buses

Project Title	Project Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Transit Bus Replacement	Under this project the RECIPIENT will purchase one (1) new zero-emission all-electric transit bus to replace one (1) 2006 or older engine model year diesel powered transit bus.	Mostly under agreement	Continued work related to charging infrastructure is in place prior to possession of electric bus.	500,000	Richland	Benton	8		47.04	-122.90
All Electric Vehicle Purchase and Charging Station Infrastructure	Purchase of at least 25 plug-in electric vehicles.	Mostly under agreement	Continued work related to 25 Plug in Electric vehicles included equipment purchases.	22,068	Olympia	Thurston	22		47.04	-122.89
All Electric Vehicle Purchase and Charging Station Infrastructure	All Electric Vehicle Purchase and Charging Station Infrastructure	Mostly under agreement	Continued work related to increase the number of all electric vehicles and electric vehicle infrastructure owned and operated by Washington State Department of Social and Health Services (DSHS).	840,000	Olympia	Thurston	22		47.04	-122.89
All Electric Vehicle Purchase and Charging Station Infrastructure	Increase the number of all electric vehicles and electric vehicle infrastructure owned and operated by Washington State Department of Natural Resources (DNR).	Mostly under agreement	Continued work related to increase the number of all electric vehicles and electric vehicle infrastructure owned and operated by Washington State Department of Natural Resources (DNR).	209,156	Olympia	Thurston	22		47.04	-122.89
Additional Grants to be Obligated	VW Penalty funds are dedicated to Ecology's grant program to replace older, high-polluting vehicles across the state with clean, low-emission technology, with a focus on school and transit buses	Expected to be under agreement by the end of the 2023-25 biennium	Currently working to obligate funding to specific projects. Due to long lead times for respective equipment to support Refuse Vehicles, Street Sweepers, Freight Switchers, and Port Cargo Handling equipment, expenditures are expected to be delayed with active signed agreements.	1,241,918						
TOTAL				**2,813,142**						

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OFM

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:44PM

Project Number: **40000479**
Project Title: **2023-25 Reducing Toxic Wood Stove Emissions**

Description

Starting Fiscal Year: 2024
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Model Toxics Control Capital Account to fund its Wood Smoke Reduction Grant Program. The program reduces emissions from old, high-polluting wood stoves in communities facing significant public health threats from wood smoke by replacing uncertified wood-burning home heating devices with cleaner home heating options and deploy cleaner burning emission control solutions. Priority is given to communities at high risk of violating national ambient air quality standards to prevent violations and avoid significant economic, environmental, and public health consequences.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Proviso

N/A

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Local Air Agencies and Ecology Regional Offices
RCW that establishes grant: N/A
Application process used

Competitive grants. Ecology establishes grant criteria for each grant cycle, such as: location in an area designated non–attainment for federal ambient air quality standards or at risk of being declared non-attainment; ability to leverage other funding sources; proposed actions resulting in the greatest PM 2.5 emission reductions; creative approaches to reach high volume wood users; replacing uncertified devices that are a home's primary heat source; educating consumers; readiness to proceed; and demonstrated capacity to spend the requested funding. Ecology also utilizes the Department of Health's Washington Tracking Network mapping tool to help prioritize those populations that have historically been disproportionately impacted by air pollution (Environmental Justice). All applications are received, evaluated, and ranked against the adopted criteria, and decisions on funding are made based on the amount available and the worthiness of projects. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
23N-1	MTC Capital Account-State	4,144,000		1,379,000	2,765,000	
	Total	**4,144,000**	**0**	**1,379,000**	**2,765,000**	**0**

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Capital Project Request

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:44PM

Project Number: 40000479
Project Title: 2023-25 Reducing Toxic Wood Stove Emissions

Funding

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

OFM

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Capital Project Request

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*

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 2:11PM

Project Number: 40000390
Project Title: 2021-23 Reducing Diesel GHG & Toxic Emissions

Description

Starting Fiscal Year: 2022
Project Class: Grant - Pass Through
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Model Toxics Control Capital Account to fund a pass-through grant program to scrap and replace diesel school buses with zero emission buses. In addition to school bus replacement, pass-through grant funding will continue to support installation of idle reduction technology, diesel engine replacement, and other diesel vehicle replacement, especially in disproportionately impacted communities.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Multiple
RCW that establishes grant: N/A
Application process used

Grant awards will be based on viability of technology or program proposed, cost of the project, readiness to proceed, percent cost share, and estimated toxic and greenhouse gas emissions reduced as a result of the project. Also, Ecology will consider how the project will reduce exposure to sensitive populations (children, elderly, those with existing disease) and economically disadvantaged communities. Ecology will also utilize the Department of Health's Washington Tracking Network mapping tool to help prioritize those populations that have historically been disproportionately impacted by air pollution. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
23N-1	MTC Capital Account-State	15,000,000	977,000	11,300,000	2,723,000	
	Total	**15,000,000**	**977,000**	**11,300,000**	**2,723,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 2:11PM

Project Number: 40000390
Project Title: 2021-23 Reducing Diesel GHG & Toxic Emissions

Operating Impacts

No Operating Impact

OFM

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 12:37PM

Project Number: **92000205**
Project Title: **2023-25 Drought Response**

Description

Starting Fiscal Year: 2024
Project Class: Grant - Pass Through
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the State Building Construction Account to continue implementing water supply projects in drought impacted areas. These projects will help drought impacted entities meet domestic, agricultural, municipal, industrial and environmental water supply needs during reduced water supply conditions from drought.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appppropriations minus expenditures through June 2024 Fiscal Month 12.

Proviso

N/A

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Special Programs

Grant Recipient Organization: Public Entities
RCW that establishes grant: RCW 43.83B.415
Application process used

Competitive Grant

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	3,000,000		280,000	2,720,000	
	Total	**3,000,000**	**0**	**280,000**	**2,720,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 12:37PM

Project Number: 92000205
Project Title: 2023-25 Drought Response

Operating Impacts

OFM

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Capital Project Request

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 2:01PM

Project Number: **40000194**
Project Title: **2019-21 Protect Investments in Cleanup Remedies**

Description

Starting Fiscal Year: 2020
Project Class: Grant - Pass Through
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Model Toxics Control Capital Account to support cleanup costs at Superfund-financed sites, or when Washington assumes liability for a cleanup. When the U.S. Environmental Protection Agency cleans up a site in Washington, the state enters into a State Superfund Contract. It binds Washington to pay for ten percent of the cleanup construction costs and 100 percent of the long-term operation and maintenance costs of the cleanup remedy. When Washington assumes responsibility for a cleanup site – like after a bankruptcy, or when a site is orphaned or abandoned – protecting the remedy requires ongoing investment. This request will provide funding to meet legal requirements, protect public investments in cleanup, and protect human health and the environment from remedy failure. Related to Puget Sound Action Agenda Implementation.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

See attached project list for detailed subproject descriptions, statuses, and reappropriation explanations.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A
Application process used

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	New Approps
23N-1	MTC Capital Account-State	8,203,000	4,187,000	1,639,000	2,377,000	
	Total	**8,203,000**	**4,187,000**	**1,639,000**	**2,377,000**	**0**

		Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 2:01PM

Project Number: 40000194
Project Title: 2019-21 Protect Investments in Cleanup Remedies

Operating Impacts

No Operating Impact

Ecology Capital Reappropriation Project List

August 2024

Purpose: Identify the subprojects, status, and justification for 2025-27 capital reappropriation requests that were originally funded prior to the 2021-23 biennium. Amount remaining based on expenditures through June 2024.

40000194	2019-21 Protect Investments in Cleanup Remedies

Project Title	Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Circle K	A consent decree requires Ecology to cleanup contaminated soil and groundwater from this former gas station. A petroleum plume has extended off-property beneath adjacent streets and residential property. Ecology has staged this project to implement the Cleanup Action Plan (CAP) to remove and treat petroleum contamination. Construction is underway to be followed by at least five years of operations and maintenance (O&M).	Mostly under agreement	This work is legally required under a consent decree. The project is in active construction. Upon completion, it will enter at least five years of O&M activities. These funds are mostly under agreement. Unspent funds will be needed in the 2025-27 biennium and beyond to support ongoing technical oversight and O&M.	482,624	Seattle	King	43	08 - Cedar - Sammamish	47.64	-122.30
Well 12 A	Funding to support semi-annual groundwater monitoring well sampling at the Well 12A site. These funds meet legal reporting requirements to the EPA.	Expected to be under agreement by the end of the 2023-25 biennium	Funding will support groundwater monitoring to meet legal reporting obligation	300,000	Tacoma	Pierce	27	12 - Chambers - Clover	47.23	-122.47
Wyckoff - 10% Match	Per Superfund State Contract (SSC) as specified in CERCLA, Section 104, The State of Washington must provide required financial assurances to pay 10% of the cost of the Remedial Action and an assurance to assume operations and maintenance in the future. The realignment construction of the site access road is scheduled to complete in Fall of 2020. The construction of the permanent reinforced concrete perimeter wall, which will prevent migration of free-products from the upland source to the Eagle Harbor, is planned during 2021 through 2023.	Under agreement	Ecology has signed a State Superfund Contract that obligates the state to pay 10%. We expect all funds to be spent by end of the 2025-27 biennium.	1,584,202	Bainbridge Island	Kitsap	23	15 - Kitsap	47.62	-122.50
Priceless Gas	This former gas station site in Davenport with petroleum in soil and groundwater has a cleanup remedy and restrictive covenant in place.	Expected to be under agreement by the end of the 2023-25 biennium	We are working to secure a groundwater monitoring contract with the remaining funds by the end of the biennium as the scope is limited for this phase. This initial round of groundwater monitoring will help inform the next phase of work, which includes re-initiating the soil vapor extraction system. The funding requested for the 2025-27 biennium will support this next phase.	10,000	Davenport	Lincoln	9	53 - Lower Lake Roosevelt	47.65	-118.16
TOTAL				**2,376,826**						

Note: The following project is excluded from the 2025-27 reappropriation estimate because it is expected to be fully spent by the end of the 2023-25 biennium:
1. Lilyblad Cleanup - $69,414 remaining through June 2024

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OFM

461 - Department of Ecology
Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:47PM

Project Number: 40000111
Project Title: 2019-21 Sunnyside Valley Irrigation District Water Conservation

Description

Starting Fiscal Year: 2020
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the State Building Construction Account to provide funding to continue the construction schedule for the state's share of the Yakima River Basin Water Enhancement Project. The United States Bureau of Reclamation manages conservation improvements required by the Sunnyside Division Water Rights Settlement Agreement in the Yakima Basin Water Rights Adjudication. (State of Washington, Department of Ecology vs. James J. Acquavella, et al.) These are multi-year projects, and Ecology is requesting continued funding to cover the required state match of 17.5 percent of total project costs for the next several biennia.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

See attached project list for detailed subproject descriptions, statuses, and reappropriation explanations.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Public Agriculture Water Supply Facilities and US. Bureau of Reclamation
RCW that establishes grant: N/A
Application process used

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	4,234,000	1,868,000		2,366,000	
	Total	**4,234,000**	**1,868,000**	**0**	**2,366,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:47PM

Project Number: 40000111
Project Title: 2019-21 Sunnyside Valley Irrigation District Water Conservation

Operating Impacts

No Operating Impact

Ecology Capital Reappropriation Project List

August 2024

Purpose: Identify the subprojects, status, and justification for 2025-27 capital reappropriation requests that were originally funded prior to the 2021-23 biennium. Amount remaining based on expenditures through June 2024.

40000111	2019-21 Sunnyside Valley Irrigation Distr. Water Conserv.

Project Title	Project Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Phase 2 Feasibility Testing	Phase 2 feasibility testing and implementation of reintroducing anadromous fish into the blocked waters of the upper Columbia and its tributaries.	Under agreement	Ecology will continue to implement projects per the YBIP during the 25-27 biennium as directed by the Yakima Local Leaders Workgroup.	35,780	Yakima	Yakima	15	37,38,39	Multiple Project Locations	Multiple Project Locations
Court Mandated Pass-through Funding to USBR	Funds are used to satisfy Ecology court mandated settlement obligations to pay 17.5 percent of the required irrigation improvements in the Basin.	Funding is obligated to the USBR to implement irrigation improvements in the Basin.	Ecology passes through funding to the USBR to implement necessary improvements per the settlement. Typically water supply projects take 3 to 7 years to complete depending on the complexity and scale. Ecology will continue to pass through funding to the USBR as they identify and implement the improvement project schedule during the 2025-27 biennium.	2,330,053	Yakima	Yakima	15	37,38,39	Multiple Project Locations	Multiple Project Locations
TOTAL				**2,365,833**						

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 12:57PM

Project Number: **40000613**
Project Title: **Cleanup Settlement Account Projects**

Description

Starting Fiscal Year: 2024
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Cleanup Settlement Account to provide the appropriation authority needed to utilize accrued interest from previous settlements deposited into the Cleanup Settlement Account so Ecology can continue to make progress on four toxic site cleanup and habitat restoration projects already in progress. Ecology will use the funding to conduct yard cleanups, habitat restoration, and continue site specific remediation. This funding will protect environmental and public health by reducing toxic threats in the areas around these sites. This request directly implements recommended priorities and actions in the 2021 Governor's salmon strategy update, and is related to Puget Sound Action Agenda Implementation.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A
Application process used

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
15H-1	Cleanup Set Acct-State	2,200,000			2,200,000	
	Total	**2,200,000**	**0**	**0**	**2,200,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
15H-1	Cleanup Set Acct-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 12:57PM

Project Number: 40000613
Project Title: Cleanup Settlement Account Projects

Operating Impacts

No Operating Impact

OFM

461 - Department of Ecology
Capital Project Request

2025-27 Biennium

*

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 11:27AM

Project Number: 30000280
Project Title: ASARCO - Tacoma Smelter Plume and Mines

Description

Starting Fiscal Year: 2012
Project Class: Grant - Pass Through
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Cleanup Settlement Account to accelerate cleanup work related to the ASARCO smelter site in the City of Everett, which operated from 1894 to 1912. The smelter released arsenic, lead, and other contamination into the air that subsequently contaminated the city's residential soil, groundwater, and industrial areas adjacent to the Snohomish River. Without cleanup, these sites pose threats to public health, the environment, groundwater, and fish and wildlife resources. Cleaning up these sites will protect public and environmental health, create jobs, and promote economic growth. Related to Puget Sound Action Agenda Implementation.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

This request requires 6.33 FTEs to continue supporting the ASARCO remediation activities in Tacoma as part of Ecology's ongoing cleanup. This FTE level is reduced from previous biennia in order to right size the staffing levels to project management. The cleanup plans for the Tacoma Smelter Plume site, particularly residential yard cleanup, is labor intensive. It requires outreach to individual property owners and the community at-large so Ecology can secure property access, plan and complete sampling, stage cleanup property groups, and continue education and outreach campaigns once remediation starts. Please note these FTEs support multiple appropriations.

See attached project list for detailed subproject descriptions, statuses, and reappropriation explanations.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Department of Ecology
RCW that establishes grant: Chapter 70A.305 RCW
Application process used

This will be a capital project directly operated and controlled by Ecology.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
15H-1	Cleanup Set Acct-State	19,927,000	17,856,000		2,071,000	
	Total	**19,927,000**	**17,856,000**	**0**	**2,071,000**	**0**

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 11:27AM

Project Number: 30000280
Project Title: ASARCO - Tacoma Smelter Plume and Mines

Funding

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
15H-1	Cleanup Set Acct-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

Ecology Capital Reappropriation Project List

August 2024

Purpose: Identify the subprojects, status, and justification for 2025-27 capital reappropriation requests that were originally funded prior to the 2021-23 biennium. Amount remaining based on expenditures through June 2024.

30000280	ASARCO - Tacoma Smelter Plume and Mines

Project Title	Project Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Monte Cristo	The Monte Cristo Mining Area is part of the Mt. Baker-Snoqualmie National Forest in Snohomish County. It consisted of eight mines that processed up to 300 tons of mined ore per day producing mainly gold, silver, copper, lead, and zinc. Much of this was for delivery to the Everett Smelter. In 1903, the mining operations were purchased by the American Smelting and Refining Company (ASARCO). In 2009, Ecology and the United States Department of Agriculture Forest Service (USFS) received settlement funds from the ASARCO bankruptcy to clean up the area. Mine tailings have been removed from sensitive areas and consolidated for future remediation.	Agreement is in process	A contract for Architectural and Engineering is in process for bridge removal at the site. Current funds will support the design, however, the remaining CSA funds for the site will be requested to support public works.	899,858	Silverton	Snohomish	39	4 - Upper Skagit	47.99	-121.37
Van Stone Mine	The Van Stone Mine was the State's largest open pit mine. The mine is located about 28 miles northeast of Colville. The mine operated from 1951 to 1994 under several owners, including Asarco. Approximately 270,000 tons of ore were extracted from 1.3 million tons of rock.	Partially under agreement	We have an active Architectural and Engineering (A&E) agreement for design of an emergency dam lowering to protect those downstream. All current funds are needed to support both the active agreement and the subsequent public works agreement.	1,171,050	Colville	Stevens	7	61 - Upper Lake Roosevelt	48.76	-117.76
TOTAL				**2,070,908**						

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:58PM

Project Number: 40000464
Project Title: Pacific Wood Treating Site Cleanup – Cleanup Settlement Account

Description

Starting Fiscal Year: 2022
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Model Toxics Control Capital Account to provide appropriation authority for a settlement deposited by Union Pacific Railroad Company into the Cleanup Settlement Account for the Pacific Wood Treating site in October 2020. Contractors will remove dioxin impacted soil from residential properties and road right-of-ways in Ridgefield. Ecology is required to pay for transport and landfill disposal costs for the excavated soil and purchase replacement soil and transport, and contractor costs for yard and right-of-way restoration layout, materials, and labor. Yard soil removal is required on 15 residential properties and 36 right-of-ways. This work will complete the cleanup of the off-property portion of the site. The other parts of the site have already been cleaned up.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Location

City: Ridgefield **County:** Clark **Legislative District:** 018

Project Type

Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A
Application process used

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	New Approps
15H-1	Cleanup Set Acct-State	2,326,000		255,000	2,071,000	
	Total	**2,326,000**	**0**	**255,000**	**2,071,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
15H-1	Cleanup Set Acct-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:58PM

Project Number: 40000464
Project Title: Pacific Wood Treating Site Cleanup – Cleanup Settlement Account

Operating Impacts

No Operating Impact

OFM

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:59PM

Project Number: **40000436**
Project Title: **2021-23 Product Replacement Program**

Description

Starting Fiscal Year: 2022
Project Class: Grant - Pass Through
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Model Toxics Control Capital Account to fund its Product Replacement Program. The program provides financial incentives to Washington businesses to remove or replace harmful chemicals through technology and infrastructure upgrades, best management practices, disposal programs, and the use of safer chemicals. Requested funding will pay to replace machinery and/or make building improvements, which will produce long-term benefits for both the businesses and the public. Removing toxic chemicals from consumer products before they cause environmental harm is one of the least expensive, and most effective, ways to help protect Washington's environment, economy, and public health.This assistance avoids costly cleanups, improves the viability of the affected businesses, and protects the environment by reducing human and environmental exposure to toxic chemicals. Related to Puget Sound Action Agenda Implementation.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Local Governments
RCW that establishes grant: N/A
Application process used

The primary methods for the distribution of funding is through direct reimbursement payments to businesses that implement an eligible a product replacement, payment to a state contractor for collection and disposal, and contract awards to PPA partners to provide technical assistance. For each product replacement effort, Ecology develops a process to ensure funding is provided fairly and equitability across the state to the most businesses and communities possible.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
23N-1	MTC Capital Account-State	6,500,000	3,094,000	1,389,000	2,017,000	
	Total	**6,500,000**	**3,094,000**	**1,389,000**	**2,017,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:59PM

Project Number: 40000436
Project Title: 2021-23 Product Replacement Program

Funding

Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

OFM

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:26PM

Project Number: **40000538**
Project Title: **2023-25 Swift Creek Natural Asbestos Flood Control and Cleanup**

Description

Starting Fiscal Year: 2024
Project Class: Grant - Pass Through
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the State Building Construction Account to continue the design, construction, and maintenance of a series of flood control and sediment management measures to reduce the threat of contamination from an extensive, slow-moving landslide on the slopes of Sumas Mountain. The landslide has carried large volumes of natural debris into Swift Creek and its floodplain east of Everson which are now contaminated with naturally occurring asbestos and heavy metals. It has also filled the stream channel, causing serious flooding and sediment deposits in surrounding settled and agricultural areas. Ecology has received previous funding to support a state commitment to Whatcom County to resolve this chronic threat to public safety, property, human health, and the environment.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Proviso

No

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Whatcom County
RCW that establishes grant: N/A
Application process used

N/A

Growth Management impacts

This project will help preserve farmland and open space, resulting in less pressure to redevelop these areas, supporting GMA.

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	New Approps
057-1	State Bldg Constr-State	4,000,000		2,000,000	2,000,000	
	Total	**4,000,000**	**0**	**2,000,000**	**2,000,000**	**0**

		Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				

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Capital Project Request

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:26PM

Project Number: 40000538
Project Title: 2023-25 Swift Creek Natural Asbestos Flood Control and Cleanup

Funding

Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

OFM

461 - Department of Ecology
Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 12:56PM

Project Number: **40000618**
Project Title: **Eastside Fire and Rescue Pilot PFAS Cleanup**

Description

Starting Fiscal Year: 2024
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Model Toxics Control Capital Account to complete the pilot project.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Proviso

Budget add, doesn't say "solely for"

Location

City: Issaquah **County:** King **Legislative District:** 005

Project Type

Grants

Grant Recipient Organization: Eastside Fire and Rescue
RCW that establishes grant: N/A
Application process used

N/A

Growth Management impacts

No

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
23N-1	MTC Capital Account-State	2,000,000			2,000,000	
	Total	**2,000,000**	**0**	**0**	**2,000,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:31PM

Project Number: **30000704**
Project Title: **2015-17 Restored Eastern Washington Clean Sites Initiative**

Description

Starting Fiscal Year: 2018
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the State Building Construction Account to continue the initiative to have a statewide cleanup program by making investments outside of the Puget Sound Basin and Western Washington. There are properties in Eastern Washington contaminated with hazardous wastes that have been abandoned or have owners unwilling or unable to pay for site investigation and cleanup. Without cleanup, these sites pose threats to public health, the environment, groundwater, and fish and wildlife resources. Cleaning up these sites protects public and environmental health, creates jobs, and promotes economic growth as the sites are redeveloped.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

See attached project list for detailed subproject descriptions, statuses, and reappropriation explanations.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A
Application process used

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	2,436,000	388,000	134,000	1,914,000	
	Total	**2,436,000**	**388,000**	**134,000**	**1,914,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:31PM

Project Number: 30000704
Project Title: 2015-17 Restored Eastern Washington Clean Sites Initiative

Operating Impacts

No Operating Impact

Ecology Capital Reappropriation Project List

August 2024

Purpose: Identify the subprojects, status, and justification for 2025-27 capital reappropriation requests that were originally funded prior to the 2021-23 biennium. Amount remaining based on expenditures through June 2024.

30000704	2015-17 Restored Eastern WA Clean Sites Initiative

Project Title	Project Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Marshall Landfill	Marshall Landfill was operating as a landfill accepting municipal and industrial waste between 1970 and 1990. The landfill was not closed in accordance with State regulations due to bankruptcy. TCP is working on a project to close the landfill in accordance with State regulations, control landfill gas emissions, and protect groundwater. An improved landfill cap will be installed and stormwater runoff from the landfill will be controlled and managed as part of the final closure of the landfill.	Mostly under agreement	Reappropriated funding is supporting an active A&E contract, or will support the subsequent public works contract. Due to delays from the COVID pandemic, inflation, and discovery of PFAS, costs at the site have increased significantly. Current funding (provided throughout many years) is insufficient for the public works contract supporting construction. Subsequent funding is requested in the 2025-27 biennium to support the cleanup construction next biennium.	307,329	Marshall	Spokane	9	56 - Hangman	47.55	-117.51
Northport	Project is advancing toward cleanup of Northport's town park waterfront, boat launch, and near-shore aquatic habitat. Cleanup of sediments and shoreline and associated protections and enhancements of community recreational functions will be a robust capital investment.	Under agreement	We have active contracts for all phases of work for this project. However, in summer 2024 the water levels did not lower enough to allow work to be completed. As a result, Ecology anticipates issuing a stop work and extending the public works contract for a second season to allow for work to continue in 2025 in hopes that water levels allow for the next stage of excavation.	1,606,979	Northport	Stevens	7	61 - Upper Lake Roosevelt	48.92	-117.77
TOTAL				**1,914,308**						

Note: The following project is excluded from the 2025-27 reappropriation estimate because it is expected to be fully spent by the end of the 2023-25 biennium:
1. Dryden Pit - $59,812 remaining through June 2024

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OFM

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:36PM

Project Number: 30000742
Project Title: 2017-19 Eastern Washington Clean Sites Initiative

Description

Starting Fiscal Year: 2018
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Model Toxics Control Capital Account to continue the initiative to have a statewide cleanup program by making investments outside of the Puget Sound Basin and Western Washington. There are properties in Eastern Washington contaminated with hazardous wastes that have been abandoned or have owners unwilling or unable to pay for site investigation and cleanup. Without cleanup, these sites pose threats to public health, the environment, groundwater, and fish and wildlife resources. Cleaning up these sites protects public and environmental health, creates jobs, and promotes economic growth as the sites are redeveloped.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

See attached project list for detailed subproject descriptions, statuses, and reappropriation explanations.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A
Application process used

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
23N-1	MTC Capital Account-State	1,740,000	13,000	19,000	1,708,000	
	Total	**1,740,000**	**13,000**	**19,000**	**1,708,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

Project Number: 30000742
Project Title: 2017-19 Eastern Washington Clean Sites Initiative

Operating Impacts

No Operating Impact

Ecology Capital Reappropriation Project List

August 2024

Purpose: Identify the subprojects, status, and justification for 2025-27 capital reappropriation requests that were originally funded prior to the 2021-23 biennium. Amount remaining based on expenditures through June 2024.

30000742	2017-19 Eastern Washington Clean Sites

Project Title	Project Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Airport Kwik Stop	Airport Kwikstop is a former gas station and convenience store LUST site. In 1994, underground storage tanks at the Site were removed, and above-ground storage tanks were used to store fuel. In 2008, a pipe connection leaked under the premium gas dispenser, which caused gasoline to spray inside the dispenser. Soil and groundwater investigations at the site show petroleum-related contaminants exceed state standards and pose a threat to human health and the environment.	Under agreement	There is an active design contract at the site. Current funding (spread through many appropriations) is expected to be able to support all the way through cleanup construction based on current schedules and projections. We are optimistic that this work can complete by end of the 2025-27 biennium.	5,617	Ione	Pend Oreille	7	62 - Pend Oreille	48.71	-117.41
Northport	Project is advancing toward cleanup of Northport's town park waterfront, boat launch, and near-shore aquatic habitat. Cleanup of sediments and shoreline and associated protections and enhancements of community recreational functions will be a robust capital investment.	Under agreement	We have active contracts for all phases of work for this project. However, in summer 2024 the water levels did not lower enough to allow work to be completed. As a result, Ecology anticipates issuing a stop work and extending the public works contract for a second season to allow for work to continue in 2025 in hopes that water levels allow for the next stage of excavation.	1,702,011	Northport	Stevens	7	61 - Upper Lake Roosevelt	48.92	-117.77
TOTAL				**1,707,628**						

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OFM

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:30PM

Project Number: **30000673**
Project Title: **Sunnyside Valley Irrigation District Water Conservation**

Description

Starting Fiscal Year: 2018
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the State Building Construction Account to provide funding to continue the construction schedule for the state's share of the Yakima River Basin Water Enhancement Project. The United States Bureau of Reclamation manages conservation improvements required by the Sunnyside Division Water Rights Settlement Agreement in the Yakima Basin Water Rights Adjudication. (State of Washington, Department of Ecology vs. James J. Acquavella, et al.) These are multi-year projects, and Ecology is requesting continued funding to cover the required state match of 17.5 percent of total project costs for the next several biennia.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

See attached project list for detailed subproject descriptions, statuses, and reappropriation explanations.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Public Agriculture Water Supply Facilities and Federal Gov't Agency
RCW that establishes grant: N/A
Application process used

Authorization was the Federal Public Law 103 434 and the Yakima Superior Court Adjudication Water Right Settlement.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	4,684,000	2,997,000	33,000	1,654,000	
	Total	**4,684,000**	**2,997,000**	**33,000**	**1,654,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:30PM

Project Number: 30000673
Project Title: Sunnyside Valley Irrigation District Water Conservation

Operating Impacts

No Operating Impact

Ecology Capital Reappropriation Project List

August 2024

Purpose: Identify the subprojects, status, and justification for 2025-27 capital reappropriation requests that were originally funded prior to the 2021-23 biennium. Amount remaining based on expenditures through June 2024.

30000673	Sunnyside Valley Irrigation District Water Conservation

Project Title	Project Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Court Mandated Pass-through Funding to USBR	Funds are used to satisfy Ecology court mandated settlement obligations to pay 17.5 percent of the required irrigation improvements in the Basin.	Funding is obligated to the USBR to implement irrigation improvements in the Basin.	Ecology passes through funding to the USBR to implement necessary improvements per the settlement. Typically water supply projects take 3 to 7 years to complete depending on the complexity and scale. Ecology will continue to pass through funding to the USBR as they identify and implement the improvement project schedule during the 2025-27 biennium.	1,653,564	Sunnyside	Yakima	15	37	Multiple	Multiple
TOTAL				**1,653,564**						

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 11:18AM

Project Number: **19972012**
Project Title: **Low-Level Nuclear Waste Disposal Trench Closure**

Description

Starting Fiscal Year: 1997
Project Class: Grant - Pass Through
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Site Closure Account to complete the project phases involving preparations for closure of the filled trenches at the commercial low level radioactive waste disposal facility (CLLRW) at Hanford. The Department of Health (Health) and the Department of Ecology (Ecology) share responsibilities at the CLLRW located in the central plateau of the Hanford nuclear reservation. The two agencies proposed 2017 legislation that would transfer site closure account management and budget responsibilities to Health. That legislation was not passed, and Ecology will continue to manage the Site Closure Account (Fund 125) and the budget in this reappropriation request in 2025-27. Ecology will need this reappropriation to continue evaluation and preparations for future closure activities as outlined in the 2016 report to the legislature. After completion of a third-party evaluation of closure preparations in 2015, Health and Ecology determined that closure of the filled trenches would not occur at this time. In the 2017-19 reappropriation request, Ecology lapsed funds associated with the placement of an interim cover over the filled trenches, and in the 2023-25 reappropriation request, Ecology lapsed funds associated with the purchase of soils to cover these trenches. The agencies are working to implement a revised project plan, further evaluate site conditions, and continue working with interested parties, including the Yakama Nation, and will pursue any future closure project with a new budget request once those preparations are complete. This requested reappropriation will fund continued work by Health and Ecology outlined in the 2016 report to the legislature to evaluate and characterize the site, continue work with interested third parties, and Ecology's efforts to complete the MTCA investigation processes that will develop a remediation plan to address hazardous substance releases. The MTCA investigation will determine any additional remediation necessary to address hazardous substance releases under MTCA (chapter 70.105D RCW). MTCA remediation activities will be addressed through a new budget request for that purpose.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

See attached project list for detailed subproject descriptions, statuses, and reappropriation explanations.

Location

City: Richland **County:** Benton **Legislative District:** 015

Project Type

Grants

Grant Recipient Organization: Multiple
RCW that establishes grant: N/A
Application process used

Grant awards will be based on viability of technology proposed, readiness to proceed, percent cost share, and projections of applicant's diesel and greenhouse gas emissions reduced. Ecology may pass grant money through to local air agencies to manage a grant process, or could manage the process with other federal and state diesel emission reduction projects currently underway at Ecology.

Growth Management impacts

N/A

Funding

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Capital Project Request

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 11:18AM

Project Number: 19972012
Project Title: Low-Level Nuclear Waste Disposal Trench Closure

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
125-1	Site Closure Account-State	6,902,000	5,258,000	89,000	1,555,000	
	Total	**6,902,000**	**5,258,000**	**89,000**	**1,555,000**	**0**

		Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
125-1	Site Closure Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

Ecology Capital Reappropriation Project List

August 2024

Purpose: Identify the subprojects, status, and justification for 2025-27 capital reappropriation requests that were originally funded prior to the 2021-23 biennium. Amount remaining based on expenditures through June 2024.

19972012	Low-Level Nuclear Waste Disposal Trench

Project Title	Project Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Ecology oversight of US Ecology MTCA cleanup	Reimbursement of Ecology MTCA oversight costs incurred by Site Operator.	Mostly under agreement	Work is ongoing to satisfy the 2015-17 budget bill requirement to achieve alignment with the Yakama Nation on steps to proceed with the MTCA investigation. Resolution with the Yakama Nation dictates the pace of project spend.	711,380	Unincorporated	Benton	15	40 - Alkali - Squilchuck	46.58	-119.40
Low-Level Radioactive Waste Disposal Data Gaps	Continues work to address data gaps and satisfy requirements of 2015 proviso.	Under agreement	Work is ongoing to satisfy the 2015-17 budget bill requirement to achieve alignment with the Yakama Nation on steps to proceed with the MTCA investigation. Resolution with the Yakama Nation dictates the pace of project spend.	85,785	Unincorporated	Benton	15	40 - Alkali - Squilchuck	46.58	-119.40
WDOH Oversight Interagency Agreement	WDOH support of final closure and decommissioning of the commercial low level radioactive waste disposal facility. Ecology reimburses Health for its cost in accordance with 43.200.080 RCW.	Under agreement	Work is ongoing to satisfy the 2015-17 budget bill requirement to achieve alignment with the Yakama Nation on steps to proceed with the MTCA investigation. Resolution with the Yakama Nation dictates the pace of this portion of project spend, while work continues in monitoring NRC revisions to 10 CFR 61 rules.	698,118	Unincorporated	Benton	15	40 - Alkali - Squilchuck	46.58	-119.40
USE Closure Activities Reimbursement Agreement	Site Operator closure costs for activities required by WDOH for closure or by Ecology for MTCA.	Under agreement	Work is ongoing to satisfy the 2015-17 budget bill requirement to achieve alignment with the Yakama Nation on steps to proceed with the MTCA investigation. Resolution with the Yakama Nation dictates the pace of project spend.	60,100	Unincorporated	Benton	15	40 - Alkali - Squilchuck	46.58	-119.40
TOTAL				**1,555,383**						

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Capital Project Request

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 12:54PM

Project Number: **91000347**
Project Title: **Skagit Water**

Description

Starting Fiscal Year: 2018
Project Class: Grant - Pass Through
Agency Priority: 0

Project Summary

Ecology requests reappropriation from State Building Construction Account to continue implementing the proviso required flow studies in the Skagit basin. The studies will evaluate instream flow needs and existing and future out-of-stream water use demands within Skagit river water resource inventory area 4 (Upper Skagit) regulated by Chapter 173-503 WAC.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appppropriations minus expenditures through June 2024 Fiscal Month 12.

See attached project list for detailed subproject descriptions, statuses, and reappropriation explanations.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A
Application process used

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	2,499,000	978,000		1,521,000	
	Total	**2,499,000**	**978,000**	**0**	**1,521,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

Ecology Capital Reappropriation Project List

August 2024

Purpose: Identify the subprojects, status, and justification for 2025-27 capital reappropriation requests that were originally funded prior to the 2021-23 biennium. Amount remaining based on expenditures through June 2024.

91000347	Skagit Water

Project Title	Project Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Skagit Water Studies with Washington State University	This funding was appropriated to implement studies in the Skagit Basin agreed to by a Joint Legislative Committee on Skagit Water Supply.	Under agreement	This funding is supporting studies currently being conducted by Washington State University. Ecology expects this funding to be fully spent out within the 2025-27 biennium.	1,521,000						
TOTAL				**1,521,000**						

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Capital Project Request

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:23PM

Project Number: **30000542**
Project Title: **Cleanup Toxics Sites - Puget Sound**

Description

Starting Fiscal Year: 2016
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Model Toxics Control Capital Account to support projects that integrate shoreline habitat restoration opportunities with cleanup projects to protect public and environmental health, create jobs, and promote economic development. A significant source of pollution to Puget Sound is contaminated sites around the basin and its shorelines. Ecology has been identifying and cleaning up contaminated sites in the Puget Sound basin for many years. This emphasis on bay-wide cleanup in the Sound and surrounding areas has highlighted a valuable link between toxic site cleanup and habitat restoration. Related to Puget Sound Action Agenda Implementation.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

See attached project list for detailed subproject descriptions, statuses, and reappropriation explanations.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A
Application process used

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
173-1	State Toxics Control-State	6,496,000	6,496,000			
23N-1	MTC Capital Account-State	6,975,000	5,096,000	449,000	1,430,000	
	Total	**13,471,000**	**11,592,000**	**449,000**	**1,430,000**	**0**

		Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
173-1	State Toxics Control-State				
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Project Number: 30000542
Project Title: Cleanup Toxics Sites - Puget Sound

Operating Impacts

No Operating Impact

Ecology Capital Reappropriation Project List

August 2024

Purpose: Identify the subprojects, status, and justification for 2025-27 capital reappropriation requests that were originally funded prior to the 2021-23 biennium. Amount remaining based on expenditures through June 2024.

30000542	Cleanup Toxics Sites - Puget Sound

Project Title	Project Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Lower Duwamish	Through agreement with the US Environmental Protection Agency (EPA), Ecology is responsible for leading source control efforts that involves removing or reducing contaminants from identifiable sources that end up in sediments of the Lower Duwamish Waterway (LDW). These source control efforts are important ahead of EPA's cleanup of the waterway to minimize potential recontamination of sediment. Ecology has been using the requested funding to conduct source control activities within the LDW and adjacent areas, including contractor support for document review of individual sites, administrative and database support and management, public outreach, and other special projects.	Under agreement	We expect this funding to be spent this biennium and the first year of the 2025-27 biennium.	78,653	Seattle	King	34	09 - Duwamish/Green	47.57	-122.35
W Port Angeles Harbor	The Western Port Angeles Harbor has widespread sediment contamination from a long history of various industrial uses. High levels of dioxins, polychlorinated biphenyl (PCBs), carcinogenicpolycylic aromatic hydrocarbons (cPAHs), and metals are present in the sediments from historic timber industry facilities (plywood, lumber, paper, and pulp mills). This funding would provide the needed resources for these two projects to move into drafting the Cleanup Action Plan and begin Engineering and Design.	Under agreement	This active contract provides ongoing technical and construction support for the cleanup action plan, cleanup action plan responsiveness summary, design sampling work plan, engineering design report, construction monitoring reports, sediment remediation construction complete reports and remedial construction observations through June 30, 2029.	641,508	Port Angeles	Clallam	24	18 - Elwha - Dungeness	48.13	-123.45
Rayonier	Rayonier site has contamination in the upland soil, groundwater, and sediments. We have a contract with NewFields to assist with completing the Interim Action Plan, Responsiveness Summary, review Workplans and Engineering Design reports, and provide field oversight during construction.	Under agreement	The active contract supports completing the IAP, Responsiveness Summary, workplans and engineering design. The contract also provides-construction support. Momentum is good for completing the IAP and moving to the next stage of cleanup.	249,005	Port Angeles	Clallam	24	18 - Elwha - Dungeness	48.12	-123.41
Custom Plywood	The emphasis on this site cleanup and surrounding areas (Fidalgo Bay) has highlighted a valuable link between toxic site cleanup and habitat restoration. Cleaning up this site protects public and environmental health, creates jobs, and promotes economic development by allowing this property to be redeveloped. This funding is for the final phase of cleanup work and subsequent monitoring activities, including dredging, disposal, eelgrass bed restoration, and monitoring.	Under agreement	This funding supports current and future design and sampling events. This will be needed to determine future excavation efforts to continue the subsequent phase of cleanup.	253,856	Anacortes	Skagit	40	3 - Lower Skagit - Samish	48.49	-122.60
Well 12 A	Funding to support semi-annual groundwater monitoring well sampling at the Well 12A site. These funds meet legal reporting requirements to the EPA.	Under agreement	We expect this funding to be spent this biennium and the first year of the 2025-27 biennium.	100,800	Tacoma	Pierce	27	12 - Chambers - Clover	47.23	-122.47

Project Title	Project Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Eatonville Landfill	The former Eatonville Landfill is located near the Town of Eatonville in rural Pierce County and was leased by the Town of Eatonville and operated as an uncontrolled dump site for approximately 30 years. The landfill is completely surrounded by land owned by Washington State Parks. The lower face of the landfill terminates in a high-quality wetland that extends to the nearby Mashel River located approximately 500 feet to the south. Over time, wastes (i.e., tires and large metal debris) have migrated beyond the landfill prism into the wetland area beyond the toe of the landfill. State Parks, other stakeholders, and the Nisqually Indian Tribe are working on the redevelopment of the surrounding property at Nisqually Mashel State Park. Planned improvements include a nearby trailhead parking area, as well as trails and camping facilities that would be used as overflow camping from Mount Rainier National Park.	Agreement in process	The remedy includes complete removal of the waste and impacted soil from the landfill area, select waste removal and monitored attenuation in the wetland area, and institutional controls. The construction was expected to happen in 2024. It is delayed because more time was needed to revise the cleanup documents and get the federal permit. The Corps has been working on the JARPA and done their 30-day public notice. We are expecting all funding to be spent by end of the 2025-27 biennium.	107,111	Eatonville	Pierce	2	11 - Nisqually	46.86	-122.32
TOTAL				**1,430,933**						

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Capital Project Request

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:46PM

Project Number: 40000477
Project Title: 2023-25 Freshwater Aquatic Invasive Plants Grant Program

Description

Starting Fiscal Year: 2024
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Freshwater Aquatic Weeds account to continue funding its Freshwater Aquatic Invasive Plant Program (AIP). AIP provides financial and technical assistance to local and state governments, Tribes, and special purpose districts to reduce the propagation of freshwater aquatic invasive plants and to manage the problems these plants cause. Continued funding of the AIP will result in treating more lakes and reducing the impact of these plants on the lakes and streams in our communities. It includes elements for public education, technical assistance, and grants.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Proviso

N/A

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Grants are awarded competitively to public entities.
RCW that establishes grant: RCW 43.21A.660
Application process used

The Freshwater Invasive Plant grant program runs on an annual funding cycle for projects. The application period begins mid-October and closes mid-November of each year. Eligible entities include cities, counties, state agencies, tribes, and special purpose districts. Ecology evaluates grant applications according to criteria established in the program guidelines. We publish the list of projects proposed for funding in late January/early February each year. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
222-1	Freshwtr Aqua Weeds-State	1,700,000		439,000	1,261,000	
	Total	**1,700,000**	**0**	**439,000**	**1,261,000**	**0**

Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35

OFM

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:46PM

Project Number: 40000477
Project Title: 2023-25 Freshwater Aquatic Invasive Plants Grant Program

Funding

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
222-1	Freshwtr Aqua Weeds-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

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Capital Project Request

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:25PM

Project Number: **30000589**
Project Title: **Sunnyside Valley Irrigation District Water Conservation**

Description

Starting Fiscal Year: 2016
Project Class: Grant - Pass Through
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the State Building Construction Account to provide funding to continue the construction schedule for the state's share of the Yakima River Basin Water Enhancement Project. The United States Bureau of Reclamation manages conservation improvements required by the Sunnyside Division Water Rights Settlement Agreement in the Yakima Basin Water Rights Adjudication. (State of Washington, Department of Ecology vs. James J. Acquavella, et al.) These are multi-year projects, and Ecology is requesting continued funding to cover the required state match of 17.5 percent of total project costs for the next several biennia.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

See attached project list for detailed subproject descriptions, statuses, and reappropriation explanations.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Public Agriculture Water Supply Facilities and Federal Gov't Agency
RCW that establishes grant: N/A
Application process used

Authorization was the Federal Public Law 103 434 and the Yakima Superior Court Adjudication Water Right Settlement.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	3,055,000	1,930,000		1,125,000	
	Total	**3,055,000**	**1,930,000**	**0**	**1,125,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:25PM

Project Number: 30000589
Project Title: Sunnyside Valley Irrigation District Water Conservation

Operating Impacts

No Operating Impact

Ecology Capital Reappropriation Project List

August 2024

Purpose: Identify the subprojects, status, and justification for 2025-27 capital reappropriation requests that were originally funded prior to the 2021-23 biennium. Amount remaining based on expenditures through June 2024.

30000589	Sunnyside Valley Irrigation District Water Conservation

Project Title	Project Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Court Mandated Pass-through Funding to USBR	Funds are used to satisfy Ecology court mandated settlement obligations to pay 17.5 percent of the required irrigation improvements in the Basin.	Funding is obligated to the USBR to implement irrigation improvements in the Basin.	Ecology passes through funding to the USBR to implement necessary improvements per the settlement. Typically water supply projects take 3 to 7 years to complete depending on the complexity and scale. Ecology will continue to pass through funding to the USBR as they identify and implement the improvement project schedule during the 2025-27 biennium.	1,125,000	Sunnyside	Yakima	15	37	Multiple	Multiple
TOTAL				**1,125,000**						

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 12:47PM

Project Number: **91000390**
Project Title: **City of Ruston Contamination Remediation**

Description

Starting Fiscal Year: 2024
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Model Toxics Control Capital Account for portions of environmental cleanup costs not fully reimbursed by the settlement agreement with the American smelting and refining company LLC (ASARCO) for the Tacoma smelter site for the following projects: Rust Park Remediation Phase 1 Land Acquisition and Site Preparation; Ruston Right-of-Way Contaminated Soil Testing; and Winnifred Street Contaminated Soil Hauling.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appppropriations minus expenditures through June 2024 Fiscal Month 12.

Proviso

Yes

Location

City: Ruston **County:** Pierce **Legislative District:** 027

Project Type

Grants

Grant Recipient Organization: City of Ruston
RCW that establishes grant: N/A
Application process used

N/A

Growth Management impacts

No

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
23N-1	MTC Capital Account-State	1,109,000			1,109,000	
	Total	**1,109,000**	**0**	**0**	**1,109,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 12:47PM

Project Number: 91000390
Project Title: City of Ruston Contamination Remediation

Operating Impacts

No Operating Impact

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 12:43PM

Project Number: **92000142**
Project Title: **Drought Response**

Description

Starting Fiscal Year: 2016
Project Class: Grant - Pass Through
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the State Drought Preparedness Account to continue implementing water supply projects in drought impacted areas from the 2015 drought event. These projects will help drought impacted entities meet domestic, agricultural, municipal, industrial and environmental water supply needs during reduced water supply conditions from drought.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appppropriations minus expenditures through June 2024 Fiscal Month 12.

See attached project list for detailed subproject descriptions, statuses, and reappropriation explanations.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Special Programs

Grant Recipient Organization: Agricultural or public entities
RCW that establishes grant: Chapter 35, Laws of 2016
Application process used

Competitive Grant

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
05W-1	St Drought Prep Acct-State	6,723,000	5,534,000	89,000	1,100,000	
	Total	**6,723,000**	**5,534,000**	**89,000**	**1,100,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
05W-1	St Drought Prep Acct-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

Ecology Capital Reappropriation Project List

August 2024

Purpose: Identify the subprojects, status, and justification for 2025-27 capital reappropriation requests that were originally funded prior to the 2021-23 biennium. Amount remaining based on expenditures through June 2024.

92000142	Drought Response

Project Title	Project Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
WDFW	WDFW Emergency Drought Support - 2024 Project Implementation	Under agreement	Ecology anticipates funding additional mitigation projects during the 2025-27 biennium.	297,906	Various	Various				
WSCC	WSCC Emergency Drought Support - 2024 Project Implementation	Under agreement	Ecology anticipates funding additional mitigation projects during the 2025-27 biennium.	286,489	Various	Various				
DOH	DOH Emergency Drought Support - 2024 Project Implementation	Under agreement	Ecology anticipates funding additional mitigation projects during the 2025-27 biennium.	2,252	Various	Various				
Trout Unlimited	2024 Drought Response to enhance streams and communities through purchases and leases of water rights, habitat projects and irrigation efficiency projects to help restore flows to priority rivers and streams throughout Washington State.	Under agreement	Ecology anticipates funding additional mitigation projects during the 2025-27 biennium.	64,692	Various	Various				
Future Drought Response Projects	Funding used in conjunction with 2024 Drought Declaration to implement drought response projects statewide.	Funding will be obligated as projects are identified that conform to original drought response obligations.	Ecology anticipates funding additional mitigation projects during the 2025-27 biennium.	449,289	TBD	TBD				
TOTAL				**1,100,628**						

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:27PM

Project Number: **30000591**
Project Title: **Watershed Plan Implementation and Flow Achievement**

Description

Starting Fiscal Year: 2016
Project Class: Grant - Pass Through
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the State Building Construction Account for projects previously authorized by the Legislature to finance capital projects and water acquisition strategies for implementing locally developed watershed plans. Local watershed plans were developed using state grant funds issued under Chapter 90.82 RCW (Watershed Planning). These plans identify many statewide capital needs, including new projects, rehabilitation of existing water systems, water conservation and acquisition of existing water rights for instream flow and other future needs. These projects and acquisitions will help watershed units meet future water needs while achieving recommended instream flows.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

See attached project list for detailed subproject descriptions, statuses, and reappropriation explanations.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Local entities with an adopted watershed plan or other similar type plan.
RCW that establishes grant: Chapter 98.82 RCW
Application process used

A competitive grant process will be used for each of the categories funded through this appropriation.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	5,000,000	4,125,000		875,000	
	Total	**5,000,000**	**4,125,000**	**0**	**875,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:27PM

Project Number: 30000591
Project Title: Watershed Plan Implementation and Flow Achievement

Operating Impacts

No Operating Impact

Ecology Capital Reappropriation Project List

August 2024

Purpose: Identify the subprojects, status, and justification for 2025-27 capital reappropriation requests that were originally funded prior to the 2021-23 biennium. Amount remaining based on expenditures through June 2024.

30000591	Watershed Plan Implementation and Flow Achievement

Project Title	Project Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Chamokane Creek (Spokane) Flow Improvements	Instream flow improvements to Chamokane Creek.	Project scoping completed. Bidding solicitation will be conducted soon.	Ecology anticipates using the remaining funding to fund streamflow improvements in the Chamokane Basin beginning in the 2025-27 biennium.	875,000	Spokane	Spokane	7	54		
TOTAL				**875,000**						

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Capital Project Request

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:27PM

Project Number: **40000533**
Project Title: **2023-25 Eastern Washington Clean Sites Initiative**

Description

Starting Fiscal Year: 2024
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Model Toxics Control Capital Account to continue the initiative to have a statewide cleanup program by making investments outside of the Puget Sound Basin and Western Washington. There are properties in Eastern Washington contaminated with hazardous wastes that have been abandoned or have owners unwilling or unable to pay for site investigation and cleanup. Without cleanup, these sites pose threats to public health, the environment, groundwater, and fish and wildlife resources. Cleaning up these sites protects public and environmental health, creates jobs, and promotes economic growth as the sites are redeveloped.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Proviso

No

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A
Application process used

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
23N-1	MTC Capital Account-State	950,000		78,000	872,000	
	Total	**950,000**	**0**	**78,000**	**872,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:27PM

Project Number: 40000533
Project Title: 2023-25 Eastern Washington Clean Sites Initiative

Operating Impacts

No Operating Impact

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Capital Project Request

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 11:30AM

Project Number: **30000331**
Project Title: **Watershed Plan Implementation and Flow Achievement**

Description

Starting Fiscal Year: 2014
Project Class: Grant - Pass Through
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the State Building Construction Account for projects previously authorized by the Legislature to finance capital projects and water acquisition strategies for implementing locally developed watershed plans. Local watershed plans were developed using state grant funds issued under Chapter 90.82 RCW (Watershed Planning). These plans identify many statewide capital needs, including new projects, rehabilitation of existing water systems, water conservation and acquisition of existing water rights for instream flow and other future needs. These projects and acquisitions will help watershed units meet future water needs while achieving recommended instream flows.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

See attached project list for detailed subproject descriptions, statuses, and reappropriation explanations.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Local entities with an adopted watershed plan or other similar type plan
RCW that establishes grant: Chapter 90.82 RCW
Application process used

A competitive grant process will be used for each of the categories funded through this appropriation.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	10,000,000	9,143,000		857,000	
	Total	**10,000,000**	**9,143,000**	**0**	**857,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

Project Number: 30000331
Project Title: Watershed Plan Implementation and Flow Achievement

Operating Impacts

No Operating Impact

Ecology Capital Reappropriation Project List

August 2024

Purpose: Identify the subprojects, status, and justification for 2025-27 capital reappropriation requests that were originally funded prior to the 2021-23 biennium. Amount remaining based on expenditures through June 2024.

30000331	Watershed Plan Implementation and Flow Achievement

Project Title	Project Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Chamokane Creek (Spokane) Flow Improvements	Instream flow improvements to Chamokane Creek.	Project scoping completed. Bidding solicitation will be conducted soon.	Ecology anticipates using the remaining funding to fund streamflow improvements in the Chamokane Basin beginning in the 2025-27 biennium.	856,861	Spokane	Spokane	7	54		
TOTAL				**856,861**						

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Capital Project Request

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:19PM

Project Number: **30000432**
Project Title: **Eastern Washington Clean Sites Initiative**

Description

Starting Fiscal Year: 2016
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Model Toxics Control Capital Account to continue the initiative to have a statewide cleanup program by making investments outside of the Puget Sound Basin and Western Washington. There are properties in Eastern Washington contaminated with hazardous wastes that have been abandoned or have owners unwilling or unable to pay for site investigation and cleanup. Without cleanup, these sites pose threats to public health, the environment, groundwater, and fish and wildlife resources. Cleaning up these sites protects public and environmental health, creates jobs, and promotes economic growth as the sites are redeveloped.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

See attached project list for detailed subproject descriptions, statuses, and reappropriation explanations.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A
Application process used

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
173-1	State Toxics Control-State	1,250,000	1,250,000			
23N-1	MTC Capital Account-State	6,523,000	2,119,000	3,626,000	778,000	
	Total	**7,773,000**	**3,369,000**	**3,626,000**	**778,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
173-1	State Toxics Control-State				
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:19PM

Project Number: 30000432
Project Title: Eastern Washington Clean Sites Initiative

Operating Impacts

No Operating Impact

Ecology Capital Reappropriation Project List

August 2024

Purpose: Identify the subprojects, status, and justification for 2025-27 capital reappropriation requests that were originally funded prior to the 2021-23 biennium. Amount remaining based on expenditures through June 2024.

30000432	Eastern Washington Clean Sites Initiative

Project Title	Project Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Marshall Landfill	Marshall Landfill was operating as a landfill accepting municipal and industrial waste between 1970 and 1990. The landfill was not closed in accordance with State regulations due to bankruptcy. TCP is working on a project to close the landfill in accordance with State regulations, control landfill gas emissions, and protect groundwater. An improved landfill cap will be installed and stormwater runoff from the landfill will be controlled and managed as part of the final closure of the landfill.	Under agreement	Reappropriated funding is supporting an active A&E contract, or will support the subsequent public works contract. Due to delays from the COVID pandemic, inflation, and discovery of PFAS, costs at the site have increased significantly. Current funding (provided throughout many years) is insufficient for the public works contract supporting construction. Subsequent funding is requested in the 2025-27 biennium to support the cleanup construction next biennium.	340,462	Marshall	Spokane	9	56 - Hangman	47.55	-117.51
Airport Kwik Stop	Airport Kwikstop is a former gas station and convenience store LUST site. In 1994, underground storage tanks at the Site were removed, and above-ground storage tanks were used to store fuel. In 2008, a pipe connection leaked under the premium gas dispenser, which caused gasoline to spray inside the dispenser. Soil and groundwater investigations at the site show petroleum-related contaminants exceed state standards and pose a threat to human health and the environment.	Under agreement	There is an active design contract at the site. Current funding (spread through many appropriations) is expected to be able to support all the way through cleanup construction based on current schedules and projections. We are optimistic that this work can complete by end of the 2025-27 biennium.	115,054	Ione	Pend Oreille	7	62 - Pend Oreille	48.71	-117.41
Stubblefield	The Stubblefield Salvage Yard operated as a fat-rendering plant from approximately 1945 to 1950, and as a salvage yard from approximately 1950 to 2010. In addition to the salvage yard activities, the site also housed a large amount of waste and debris including batteries, transformers, car bodies, and drums filled with waste materials. In 2009, the U.S. Environmental Protection Agency (EPA) visited the site and documented the presence of oil-stained soil, unlabeled drums, several large open-top tanks, and other types of uncontrolled wastes including transformers and asbestos-containing material (ACM). Soil and groundwater investigations at the site show petroleum, volatile organic compounds (VOCs), and semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), polycyclic aromatic hydrocarbons8 (PAHs), and metals still exceed state standards and pose a threat to human health and the environment.	Mostly under agreement	There is an active design contract at the site. Current funding (spread through many appropriations) is expected to be able to support all the way through cleanup construction based on current schedules and projections. We are optimistic that this work can complete by end of the 2025-27 biennium.	207,374	Walla Walla	Walla Walla	16	32 - Walla Walla	46.06	-118.37
Northport	Project is advancing toward cleanup of Northport's town park waterfront, boat launch, and near-shore aquatic habitat. Cleanup of sediments and shoreline and associated protections and enhancements of community recreational functions will be a robust capital investment.	Under agreement	We have active contracts for all phases of work for this project. However, in summer 2024 the water levels did not lower enough to allow work to be completed. As a result, Ecology anticipates issuing a stop work and extending the public works contract for a second season to allow for work to continue in 2025 in hopes that water levels allow for the next stage of excavation.	93,156	Northport	Stevens	7	61 - Upper Lake Roosevelt	48.92	-117.77

Project Title	Project Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Priceless Gas	This former gas station site in Davenport with petroleum in soil and groundwater has a cleanup remedy and restrictive covenant in place.	Expected under agreement by end of the biennium	We are working to secure a groundwater monitoring contract with the remaining funds by the end of the biennium as the scope is limited for this phase. This initial round of groundwater monitoring will help inform the next phase of work, which includes re-initiating the soil vapor extraction system. The funding requested for the 2025-27 biennium will support this next phase.	7,944	Davenport	Lincoln	9	53 - Lower Lake Roosevelt	47.65	-118.16
Frank Wear	This site is a former dry cleaner that contaminated soil and groundwater with tetrachloroethylene (PCE). The site is adjacent to a daycare. A soil vapor extraction system (SVE) is currently operating to protect the daycare from vapor intrusion and remove contaminant from the vadose zone.	Committed to Utilities	These current funds will likely be spent this 23-25 biennium on maintaining the SVE system. If any funds remain at the end of the biennium they will go towards utilities in the 2025-27 biennium. We expect all funds to be expended by the end of the 2025-27 biennium.	13,700	Yakima	Yakima	15	37 - Lower Yakima	46.60	-120.51
TOTAL				**777,690**						

Note: The following projects are excluded from the 2025-27 reappropriation estimate because they are expected to be fully spent by the end of the 2023-25 biennium:
1. Dryden Pit - $220,979 remaining through June 2024
2. Bodie Mine - $50,000 remaining through June 2024

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:37PM

Project Number: **30000763**
Project Title: **2015-17 Restored Clean Up Toxic Sites – Puget Sound**

Description

Starting Fiscal Year: 2018
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the State Building Construction Account to support projects that integrate shoreline habitat restoration opportunities with cleanup projects to protect public and environmental health, create jobs, and promote economic development. A significant source of pollution to Puget Sound is contaminated sites around the basin and its shorelines. Ecology has been identifying and cleaning up contaminated sites in the Puget Sound basin for many years. This emphasis on bay-wide cleanup in the Sound and surrounding areas has highlighted a valuable link between toxic site cleanup and habitat restoration. Related to Puget Sound Action Agenda Implementation.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

See attached project list for detailed subproject descriptions, statuses, and reappropriation explanations.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: N/A
RCW that establishes grant: N/A
Application process used

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	4,696,000	3,139,000	846,000	711,000	
	Total	**4,696,000**	**3,139,000**	**846,000**	**711,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:37PM

Project Number: 30000763
Project Title: 2015-17 Restored Clean Up Toxic Sites – Puget Sound

Operating Impacts

No Operating Impact

Ecology Capital Reappropriation Project List

August 2024

Purpose: Identify the subprojects, status, and justification for 2025-27 capital reappropriation requests that were originally funded prior to the 2021-23 biennium. Amount remaining based on expenditures through June 2024.

30000763	2015-17 Restored Clean Up Toxic Sites - Puget Sound

Subproject Name	Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Heating Oil Tank Release	The Heating Oil Tank Release Site was caused by a leaking residential underground heating oil tank. Heating oil migrated onto the adjacent residential property, causing significant vapor intrusion concerns in the basement of that residence. In 2021, the Site was transferred from the Pollution Liability Insurance Agency (PLIA) Heating Oil Technical Assistance Program (HOTAP) to Ecology because of the increasing complexity of the cleanup. Ecology has been performing vapor intrusion mitigation since 2021 on the adjacent property. Ecology is working with the owner of the source property under the Voluntary Cleanup Program to clean up source contamination; however progress has been slow. Due to the slow progress with the VCP cleanup, Ecology is attempting to get access to the "Source Property" to perform additional evaluation of cleanup alternatives. The need for mitigation and state assistance to move the site toward cleanup will continue as long as concentrations of source contamination remains elevated.	Under agreement	We expect that some of the funds will be spent during the current biennium. Progress towards cleanup by the PLP has been slow. These funds will be needed in the 2025-27 biennium and potentially beyond to continue to mitigate vapor intrusion on the adjacent property while remedial activities progress.	8,731	Seattle	King	36	8 - Cedar - Sammamish	47.70	-122.39
Custom Plywood	Rayonier site has contamination in the upland soil, groundwater, and sediments. We have a contract with NewFields to assist with completing the Interim Action Plan, Responsiveness Summary, review Workplans and Engineering Design reports, and provide field oversight during construction.	Under agreement	The active contract supports completing the IAP, Responsiveness Summary, workplans and engineering design. The contract also provides construction support. Momentum is good for completing the IAP and moving to the next stage of cleanup.	36,712	Anacortes	Skagit	40	3 - Lower Skagit - Samish	48.49	-122.60
Stakeholder and Tribal Engagement	Provides essential and required tribal and public involvement and outreach. Public notice and participation is an integral part of the cleanup remedy selection process. The public notice and participation requirements for cleanups conducted by Ecology or conducted by a potentially liable person under an order or decree are described in rule (WAC 173-340-600).	Under agreement	Expecting funds to be spent by the end of the 2025-27 biennium.	123,866	Puget Sound Wide	Puget Sound Wide	Puget Sound Wide	Puget Sound Wide	Puget Sound Wide	Puget Sound Wide
Eatonville	The former Eatonville Landfill is located near the Town of Eatonville in rural Pierce County and was leased by the Town of Eatonville and operated as an uncontrolled dump site for approximately 30 years. The landfill is completely surrounded by land owned by Washington State Parks. The lower face of the landfill terminates in a high-quality wetland that extends to the nearby Mashel River located approximately 500 feet to the south. Over time, wastes (i.e., tires and large metal debris) have migrated beyond the landfill prism into the wetland area beyond the toe of the landfill. State Parks, other stakeholders, and the Nisqually Indian Tribe are working on the redevelopment of the surrounding property at Nisqually Mashel State Park. Planned improvements include a nearby trailhead parking area, as well as trails and camping facilities that would be used as overflow camping from Mount Rainier National Park.	Partially under agreement	Expecting funds to be spent by the end of the 2025-27 biennium.	541,301	Eatonville	Pierce	2	11 - Nisqually	46.86	-122.32
TOTAL				**710,610**						

Note: The following project is excluded from the 2025-27 reappropriation estimate because it is expected to be fully spent by the end of the 2023-25 biennium:
1. Everett Smelter Plume Lowlands - $274,790 remaining through June 2024

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:55PM

Project Number: **40000146**
Project Title: **2015 Drought Authority**

Description

Starting Fiscal Year: 2020
Project Class: Grant - Pass Through
Agency Priority: 0

Project Summary

Ecology requests reappropriation from State Drought Preparedness Account to continue implementing water supply projects in drought impacted areas from the 2015 drought event. These projects will help drought impacted entities meet domestic, agricultural, municipal, industrial and environmental water supply needs during reduced water supply conditions from drought.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

See attached project list for detailed subproject descriptions, statuses, and reappropriation explanations.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Reclamation District, others
RCW that establishes grant: N/A
Application process used

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
05W-1	St Drought Prep Acct-State	669,000		12,000	657,000	
	Total	**669,000**	**0**	**12,000**	**657,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
05W-1	St Drought Prep Acct-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

Ecology Capital Reappropriation Project List

August 2024

Purpose: Identify the subprojects, status, and justification for 2025-27 capital reappropriation requests that were originally funded prior to the 2021-23 biennium. Amount remaining based on expenditures through June 2024.

40000146	2015 Drought Authority

Project Title	Project Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Selah-Moxee Irrigation District	Water Right Drought Acquisition Evaluation	Under agreement	Ongoing project to acquire water rights to provide drought mitigation. Ecology anticipates funding additional mitigation projects during the 23-25 and 25-27 biennia.	437,902	Selah-Moxee	Yakima	15	39	46.56	120.38
Drought Projects	Funding used for drought response mitigation activites related to emergency well mitigation in the Yakima Basin in aggreement with the Yakama Nation.	Funding will be obligated as projects are identified that conform to original drought response oblgations.	Ecology anticipates funding additional mitigation projects during the 23-25 and 25-27 biennia.	219,000						
TOTAL				**656,902**						

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Capital Project Request

2025-27 Biennium

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:51PM

Project Number: **40000470**
Project Title: **2022 Community-Based Public-Private Stormwater Partnership**

Description

Starting Fiscal Year: 2022
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Model Toxics Control Stormwater Account to to continue fund Phase II of its Stormwater Community-based Public-Private Partnership (CBP3). Stormwater runoff affects water quality and harms aquatic life and salmon. The CBP3 program is building the capacity of local governments to develop and manage CBP3s that achieve stormwater quality goals and improve the quality of life in communities across the state. In Phase I of this project, Ecology is working in partnership with the Association of Washington Cities and Department of Commerce to recruit and manage a qualified consultant(s) with experience developing CBP3s. In this second phase, Ecology and our partners will provide technical assistance and funding though a competitive grant process to help between eight and 12 communities through the assessment and development process described in the Department of Commerce publication “Is a Community-Based Public-Private Partnership Right for your Community? A Guide for Washington State”. Related to Puget Sound Action Agenda Implementation.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: N/A
RCW that establishes grant: RCW 70A.305.200
Application process used

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
23R-1	MTC Stormw Account-State	1,000,000	69,000	318,000	613,000	
	Total	**1,000,000**	**69,000**	**318,000**	**613,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
23R-1	MTC Stormw Account-State				
	Total	**0**	**0**	**0**	**0**

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:51PM

Project Number: 40000470
Project Title: 2022 Community-Based Public-Private Stormwater Partnership

Operating Impacts

No Operating Impact

OFM

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:45PM

Project Number: **40000478**
Project Title: **2023-25 Freshwater Algae Grant Program**

Description

Starting Fiscal Year: 2024
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Aquatic Algae Control Account to provide financial and technical assistance to local and state governments, Tribes, and special purpose districts to prevent and control excessive freshwater cyanobacteria, often referred to as blue-green algae. These algae can create toxic conditions with potential harm to people, wildlife, livestock and pets. The Freshwater Algae Program program includes elements for public education, technical assistance, a toxicity-testing program, and pass-through grants that address toxic fresh-water blooms. An annual one-dollar license fee assessed to the owners of boats provides funding for pass-through grants that address algae growth in freshwaters of Washington.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Proviso

N/A

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Grants are awarded competitively to public entities.

RCW that establishes grant: RCW 43.21A.667

Application process used

The Freshwater Aquatic Algae Grant program runs on an annual funding cycle for projects. The application period begins mid-October and closes mid-December of each year. Eligible entities include cities, counties, state agencies, tribes, and special purpose districts. Ecology evaluates grant applications according to criteria established in the program guidelines. We publish the list of projects proposed for funding in late January/early February each year. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
10A-1	Aq Algae Cntrl Acct-State	710,000		115,000	595,000	
	Total	**710,000**	**0**	**115,000**	**595,000**	**0**

Future Fiscal Periods			
2027-29	2029-31	2031-33	2033-35

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:45PM

Project Number: 40000478
Project Title: 2023-25 Freshwater Algae Grant Program

Funding

		Future Fiscal Periods			
		2027-29	2029-31	2031-33	2033-35
10A-1	Aq Algae Cntrl Acct-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

OFM

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:09PM

Project Number: **40000568**
Project Title: **2023-25 Waste Tire Pile Cleanup and Prevention**

Description

Starting Fiscal Year: 2024
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Waste Tire Removal Account to continue preventing and removing waste tire piles and provide enforcement and education on tire storage and hauling regulations. Illegally dumped tires in Washington continue to pose public health and environmental threats. Tire piles pose risks for highly toxic fires, pollutant leaching, and run off and provide habitat for mosquitoes and other disease carriers.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Proviso

N/A

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: N/A
RCW that establishes grant: Chapter 70A.205 RCW
Application process used

Ecology supports tribes and local governments to prevent tire piles, enforce tire regulations and provide free removal and disposal of waste tires in communities across the state. Grant funding is currently not being provided to our partners; instead, Ecology directly covers the costs of the tire clean-ups and amnesty events.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
08R-1	Waste Tire Removal A-State	1,000,000		571,000	429,000	
	Total	**1,000,000**	**0**	**571,000**	**429,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
08R-1	Waste Tire Removal A-State				
	Total	**0**	**0**	**0**	**0**

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:09PM

Project Number: 40000568
Project Title: 2023-25 Waste Tire Pile Cleanup and Prevention

Operating Impacts

No Operating Impact

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 11:37AM

Project Number: 30000334
Project Title: ASARCO Cleanup

Description

Starting Fiscal Year: 2014
Project Class: Grant - Pass Through
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Cleanup Settlement Account to accelerate cleanup work related to the ASARCO smelter site in the City of Everett, which operated from 1894 to 1912. The smelter released arsenic, lead, and other contamination into the air that subsequently contaminated the city's residential soil, groundwater, and industrial areas adjacent to the Snohomish River. Without cleanup, these sites pose threats to public health, the environment, groundwater, and fish and wildlife resources. Cleaning up these sites will protect public and environmental health, create jobs, and promote economic growth. Related to Puget Sound Action Agenda Implementation.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

See attached project list for detailed subproject descriptions, statuses, and reappropriation explanations.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Department of Ecology
RCW that establishes grant: Chapter 70A.305 RCW
Application process used

This will be a capital project directly operated and controlled by Ecology.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	6,000,000	6,000,000			
15H-1	Cleanup Set Acct-State	30,260,000	29,817,000	56,000	387,000	
	Total	**36,260,000**	**35,817,000**	**56,000**	**387,000**	**0**

		Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
15H-1	Cleanup Set Acct-State				
	Total	**0**	**0**	**0**	**0**

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 11:37AM

Project Number: 30000334
Project Title: ASARCO Cleanup

Operating Impacts

No Operating Impact

Ecology Capital Reappropriation Project List

August 2024

Purpose: Identify the subprojects, status, and justification for 2025-27 capital reappropriation requests that were originally funded prior to the 2021-23 biennium. Amount remaining based on expenditures through June 2024.

30000334	ASARCO Cleanup

Project Title	Project Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Van Stone Mine	The Van Stone Mine was the State's largest open pit mine. The mine is located about 28 miles northeast of Colville. The mine operated from 1951 to 1994 under several owners, including Asarco. Approximately 270,000 tons of ore were extracted from 1.3 million tons of rock.	Under agreement	We have an active Architectural and Engineering (A&E) agreement for design of an emergency dam lowering to protect those downstream. All current funds are needed to support both the active agreement and the subsequent public works agreement.	310,126	Colville	Stevens	7	61 - Upper Lake Roosevelt	48.76	-117.76
Harper Estuary WCC	Ecology received $8.2M from ASARCO for Natural Resource Damages (NRD). The settlement funds are meant to fund restoration of certain habitats and recreational opportunities. Previous NRD settlement funds supported restoration work in Pierce and Kitsap Counties including Harper Estuary, McNeil Island, and Ross Point.	Under agreement	Work is ongoing with Kitsap County and under an active agreement.	75,972	Tacoma	Pierce	28	12 - Chambers - Clover	48.76	-117.76
TOTAL				**386,098**						

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 11:31AM

Project Number: **30000333**
Project Title: **Dungeness Water Supply & Mitigation**

Description

Starting Fiscal Year: 2014
Project Class: Grant - Pass Through
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the State Building Construction Account to continue implementing projects such as aquifer recharge, source substitution, storage, and acquisition projects that will restore flows and mitigate withdrawals from the Dungeness River and other streams in the Dungeness River Basin. Over the past two biennia, much time and effort has been spent identifying projects that have the potential to restore flow to, and mitigate impacts within, the Dungeness River Basin. The Dungeness Local Leaders Work Group conducted a multi-variable evaluation and cost benefit analysis of 21 different projects that would restore flows and mitigate other instream impacts. This suite of projects will help restore flows within the watershed, mitigate and offset new water use, allow additional growth and economic development, and avoid the costly problems experienced in other watersheds.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

See attached project list for detailed subproject descriptions, statuses, and reappropriation explanations.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Local Entities
RCW that establishes grant: Legislative Appropriation
Application process used

Competitive grants to local entities.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	2,049,000	1,674,000	96,000	279,000	
	Total	**2,049,000**	**1,674,000**	**96,000**	**279,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 11:31AM

Project Number: 30000333
Project Title: Dungeness Water Supply & Mitigation

Operating Impacts

No Operating Impact

Ecology Capital Reappropriation Project List

August 2024

Purpose: Identify the subprojects, status, and justification for 2025-27 capital reappropriation requests that were originally funded prior to the 2021-23 biennium. Amount remaining based on expenditures through June 2024.

30000333	Dungeness Water Supply & Mitigation

Project Title	Project Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Chamokane Creek (Spokane) Flow Improvements	Instream flow improvements to Chamokane Creek.	Project scoping completed. Bidding solicitation will be conducted soon.	Ecology anticipates using the remaining funding to fund streamflow improvements in the Chamokane Basin beginning in the 2025-27 biennium.	191,198	Spokane	Spokane	7	54		
Washington Water Trust	Washington Water Trust will implement water supply projects in the Dungeness Basin supported by the Dungeness Water Exchange Advisory Committee for the purpose of improving in stream flows and providing mitigation water for rural development. Activities will include water acquisition, aquifer recharge, source substitution and off-stream storage projects.	Under agreement	Project currently underway to develop additional instream flow supply within the basin.	88,117			24	18		
TOTAL				**279,315**						

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Report Number: CBS002
Date Run: 9/6/2024 1:35PM

Project Number: **30000740**
Project Title: **Water Irrigation Efficiencies Program**

Description

Starting Fiscal Year: 2018
Project Class: Grant
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the State Building Construction Account to improve how water is delivered and applied on agricultural lands. Projects funded through this program provide improved on–farm water application so water use is more efficient, while still allowing the producer to grow crops. Program funding is also used to improve water conveyance to reduce water loss through leakage and evaporation. Water saved in this program is placed into the state Trust Water Right Program for instream purposes. Ecology requests reappropriation as pass–through funds for the Washington State Conservation Commission (SCC) and conservation districts to help the agricultural community implement water conservation measures and irrigation efficiencies projects.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

See attached project list for detailed subproject descriptions, statuses, and reappropriation explanations.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Conservation Districts
RCW that establishes grant: N/A
Application process used

Local conservation districts help agriculture clients determine eligibility criteria. Cost share proposals are approved by SCC and Ecology staff with review by the Department of Fish and Wildlife.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
057-1	State Bldg Constr-State	6,500,000	6,296,000		204,000	
	Total	**6,500,000**	**6,296,000**	**0**	**204,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:35PM

Project Number: 30000740
Project Title: Water Irrigation Efficiencies Program

Operating Impacts

No Operating Impact

Ecology Capital Reappropriation Project List

August 2024

Purpose: Identify the subprojects, status, and justification for 2025-27 capital reappropriation requests that were originally funded prior to the 2021-23 biennium. Amount remaining based on expenditures through June 2024.

30000740	Water Irrigation Efficiencies Program

Project Title	Project Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Evaluation of water rights to support WSCC project implementation	Funding used to make on-farm improvements to irrigation systems. Ecology funds evaluation of water rights to support WSCC project implementation.	Obligated for Ecology staffing to support the Irrigation Efficiencies Program at the WSCC.	Ecology would use these funds for staff technical assistance to implement WSCC identified irrigation efficiency projects.	204,000						
TOTAL				**204,000**						

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:22PM

Project Number: **30000538**
Project Title: **ASARCO Cleanup**

Description

Starting Fiscal Year: 2016
Project Class: Grant - Pass Through
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Cleanup Settlement Account to accelerate cleanup work related to the ASARCO smelter site in the City of Everett, which operated from 1894 to 1912. The smelter released arsenic, lead, and other contamination into the air that subsequently contaminated the city's residential soil, groundwater, and industrial areas adjacent to the Snohomish River. Without cleanup, these sites pose threats to public health, the environment, groundwater, and fish and wildlife resources. Cleaning up these sites will protect public and environmental health, create jobs, and promote economic growth. Related to Puget Sound Action Agenda Implementation.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

See attached project list for detailed subproject descriptions, statuses, and reappropriation explanations.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Department of Ecology
RCW that establishes grant: Chapter 70A.305 RCW
Application process used

This is a capital project directly operated and controlled by Ecology.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
15H-1	Cleanup Set Acct-State	11,961,000	10,998,000	788,000	175,000	
	Total	**11,961,000**	**10,998,000**	**788,000**	**175,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
15H-1	Cleanup Set Acct-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 1:22PM

Project Number: 30000538
Project Title: ASARCO Cleanup

Operating Impacts

No Operating Impact

Ecology Capital Reappropriation Project List

August 2024

Purpose: Identify the subprojects, status, and justification for 2025-27 capital reappropriation requests that were originally funded prior to the 2021-23 biennium. Amount remaining based on expenditures through June 2024.

30000538	ASARCO Cleanup

Project Title	Project Description	Status	Justification for Reappropriation	Amount Remaining	City	County	Leg. District	WRIA	Lat.	Long.
Van Stone Mine	The Van Stone Mine was the State's largest open pit mine. The mine is located about 28 miles northeast of Colville. The mine operated from 1951 to 1994 under several owners, including Asarco. Approximately 270,000 tons of ore were extracted from 1.3 million tons of rock.	Under agreement	We have an active Architectural and Engineering (A&E) agreement for design of an emergency dam lowering to protect those downstream. All current funds are needed to support both the active agreement and the subsequent public works agreement.	175,096	Colville	Stevens	7	61 - Upper Lake Roosevelt	48.76	-117.76
TOTAL				**175,096**						

Note: The following project is excluded from the 2025-27 reappropriation estimate because it is expected to be fully spent by the end of the 2023-25 biennium:
1. Everett Smelter Plume - $52,005 remaining through June 2024

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Report Number: CBS002
Date Run: 9/6/2024 2:17PM

Project Number: 40000371
Project Title: 2021-23 Reducing Toxic Wood Stove Emissions

Description

Starting Fiscal Year: 2022
Project Class: Grant - Pass Through
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Model Toxics Control Capital Account to fund its Wood Smoke Reduction Grant Program. The program reduces emissions from old, high-polluting wood stoves in communities facing significant public health threats from wood smoke by replacing uncertified wood-burning home heating devices with cleaner home heating options and deploy cleaner burning emission control solutions. Priority is given to communities at high risk of violating national ambient air quality standards to prevent violations and avoid significant economic, environmental, and public health consequences.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2024 Fiscal Month 12.

Location

City: Statewide **County:** Statewide **Legislative District:** 098

Project Type

Grants

Grant Recipient Organization: Local Air Agencies and Ecology Regional Offices
RCW that establishes grant: N/A
Application process used

Competitive grants. Ecology establishes grant criteria for each grant cycle, such as: location in an area designated non–attainment for federal ambient air quality standards or at risk of being declared non-attainment; ability to leverage other funding sources; proposed actions resulting in the greatest PM 2.5 emission reductions; creative approaches to reach high volume wood users; replacing uncertified devices that are a home's primary heat source; educating consumers; readiness to proceed; and demonstrated capacity to spend the requested funding. Ecology also intends to utilize the Department of Health's Washington Tracking Network mapping tool to help prioritize those populations that have historically been disproportionately impacted by air pollution. All applications are received, evaluated and ranked against the adopted criteria, and decisions on funding are made based on the amount available and the worthiness of projects. Costs include maintenance and updates to the grant/loan applications in the agency's grant and loan system.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
23N-1	MTC Capital Account-State	3,000,000	2,527,000	386,000	87,000	
	Total	**3,000,000**	**2,527,000**	**386,000**	**87,000**	**0**

Future Fiscal Periods

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 2:17PM

Project Number: 40000371
Project Title: 2021-23 Reducing Toxic Wood Stove Emissions

Funding

		2027-29	2029-31	2031-33	2033-35
23N-1	MTC Capital Account-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

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Version: 02 2025-27 Agency Request

Report Number: CBS002
Date Run: 9/6/2024 12:52PM

Project Number: **91000378**
Project Title: **PSCAA Ultra-fine Particle Monitoring**

Description

Starting Fiscal Year: 2024
Project Class: Grant - Pass Through
Agency Priority: 0

Project Summary

Ecology requests reappropriation from the Air Quality and Health Disparities Improvement Account for the Puget Sound Clean Air Agency (PSCAA) to set up ultra-fine particle monitoring sites.

Project Description

Estimates for capital reappropriation amounts are based on current biennium appppropriations minus expenditures through June 2024 Fiscal Month 12.

Location

City: Seattle **County:** King **Legislative District:** 036

Project Type

Grants

Grant Recipient Organization: Puget Sound Clean Air
RCW that establishes grant: N/A
Application process used

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2025-27 Fiscal Period Reapprops	2025-27 Fiscal Period New Approps
26E-1	AirQualHeaDispImpAcc-State	400,000		317,000	83,000	
	Total	**400,000**	**0**	**317,000**	**83,000**	**0**

Acct Code	Account Title	Future Fiscal Periods 2027-29	2029-31	2031-33	2033-35
26E-1	AirQualHeaDispImpAcc-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

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