



DEPARTMENT OF ECOLOGY

2021 – 2031

Capital Budget

SEPTEMBER 2020

Revised October 2020

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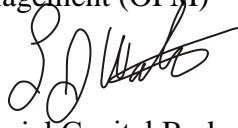


STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

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September 14, 2020

TO: David Schumacher, Director
Office of Financial Management (OFM)

FROM: Laura Watson, Director 

SUBJECT: Ecology's 2021-23 Biennial Capital Budget Request

As the state's lead environmental agency, the mission of the Washington State Department of Ecology (Ecology) 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 planning goals are to:

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

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

Attached is Ecology's 2021-23 Biennial Capital Budget request. It recognizes the significant impacts of the COVID-19 pandemic, and aims to help stimulate economic recovery, while continuing to protect environmental and public health, through a focus on equity and environmental justice. These requests will provide economic benefits to the state by creating 2,355 private sector jobs during the next two years (based on Office of Financial Management estimates), and passing through hundreds of millions of dollars in new project funding to local communities.

We are requesting funding to continue implementation of the streamflow restoration legislation, passed in 2019, institutionalize support for the Healthy Housing Remediation and Product Replacement programs that were successfully piloted during the 2019-21 Biennium, address emerging environmental and public health issues such as nutrients in Puget Sound and PFAS

contamination in local water supplies, and fund priority water quality and toxics cleanup and prevention projects.

Ecology's 2021-23 Biennial Capital Budget request totals \$906.5 million. These requests are supported primarily by dedicated environmental funds, federal funds, or state bonds for projects that:

- Promote local economic development through the cleanup of contaminated sites for redevelopment.
- Improve water quality.
- Deliver water for fish, farms, and people.
- Address local environmental and public health priorities.
- Protect and restore state owned facilities.
- Create jobs.

Addressing Nutrient Reduction in Puget Sound

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. In January 2019, a [modeling analysis](#) from the Puget Sound Nutrient Source Reduction Project confirmed municipal wastewater facilities are significantly contributing to dissolved oxygen impairments. The analysis found that, under existing conditions, approximately 20 percent of the area in the greater Puget Sound does not meet the dissolved oxygen standards.

To help address this situation and to meet our legal obligations under the federal Clean Water Act, Ecology is currently developing a [nutrient general permit](#) for [wastewater treatment facilities](#) discharging to Puget Sound that will establish nutrient discharge limits, optimize operations of the facilities that contribute to nutrient pollution, and plan for future improvements. To help support permit implementation and the changes needed at these facilities, Ecology is proposing a new capital grant program to provide financial assistance to:

- Implement operational efficiency modifications to reduce nutrients.
- Plan for future design/construction projects to implement facility improvements that reduce nutrients.

The Governor's Southern Resident Orca Task Force included five new recommendations that address the threat of contaminants, including three recommendations that specifically address human sources of nutrients, in its [Final Report and Recommendations](#) from November 2019.

Continuing to Create Affordable Housing

Washington is in dire need of affordable housing across the state. 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. Responding to a 2018 Supplemental Capital Budget proviso, Ecology, in collaboration with the Department of Commerce, is proposing to continue a competitive grant program, which began this biennium, for public, nonprofit, or private affordable housing entities intending to remediate contaminated property to develop affordable housing in support of the Governor's priorities on housing and homelessness.

Continuing to Help Local Businesses Remove Toxic Chemicals

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, the state's economy, and public health. Ecology's Product Replacement Program is a cutting edge collaboration with local government partners to provide financial incentives 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. Ecology is proposing to continue and expand this program, which began in 2019-21, so that we can continue helping businesses throughout the state implement changes that remove toxic chemicals from their facilities and processes, create safer and healthier workplaces for their employees and customers, and protect the environment.

Major Facility Needs

Several of Ecology's facility maintenance needs were put off during the Great Recession, when demand for bonds was high for critical mental health facilities and McCleary school construction projects. We can no longer afford to ignore these critical repairs. Our 2021-23 Capital Budget request includes facility-related projects for:

- **Lacey Headquarters (HQ) Parking Garage Preservation** – The parking garage is in poor condition and in serious need of extensive restoration. Deteriorated surfaces drop pieces of concrete on vehicles and parking surfaces, and substantial leakage through lower levels is causing cracking of structural members. Exposed wire mesh on driving and parking surfaces puts agency and employee vehicles at risk of damage. If the garage becomes structurally unsound, we would have to find parking for about 500 vehicles. Repairs are needed to ensure the safety and structural integrity of the Lacey HQ parking garage.
- **Lacey Headquarters (HQ) Elevator Restoration** – The elevators at Ecology's HQ facility are 27 years old, and the primary set of three traction elevators, located on the east side of the facility, need to be restored. The control systems for these elevators are obsolete, and increasingly expensive maintenance is required to keep them operational. These elevators are the principal bank of passenger elevators used by staff and visitors to enter and exit the facility, and are critical to efficient agency operations. They are also the only elevators on emergency generator power, required by fire code, and are necessary to ensure safe egress for people with disabilities in the event of a power outage or emergency.

Placeholders

2021 Drought Declaration

Each year, Ecology assesses the need for emergency drought funding to assist local governments. While the water year begins November 1 of each year, conditions can change rapidly throughout the winter and spring, which means a decision on drought and its severity may not be made until early April. If a drought is projected, Ecology will submit a request during the 2021 legislative session. This potential need is normally highlighted in Ecology's budget submittal, as no base appropriations exist in the agency budget to implement drought response activities.

Thank you for considering Ecology's 2021-23 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:

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**Department of Ecology
2021-2031 Capital Budget**

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**Capital**

10/26/2020 \$ in thousands

2021-23 Biennium Budget Request

		SBCA	MTCA ¹	Other	Total
Prevent and Reduce Toxic Threats and Pollution					
1	2021-23 Protect Investments in Cleanup Remedies		11,093		11,093
2	2021-23 Remedial Action Grant Program		61,800		61,800
3	2021-23 Healthy Housing Remediation Program	10,161			10,161
4	2021-23 Eastern Washington Clean Sites Initiative		20,520		20,520
5	2021-23 PFAS Contaminated Drinking Water	15,276			15,276
6	2021-23 Reducing Diesel GHG and Toxic Emissions		15,000		15,000
7	2021-23 Reducing Toxic Woodstove Emissions		4,000		4,000
8	2021-23 ASARCO Everett Smelter Plume Cleanup		10,814		10,814
9	2021-23 ASARCO Tacoma Smelter Plume Cleanup			3,000	3,000
10	2021-23 Product Replacement Program		6,500		6,500
11	2021-23 Swift Creek Natural Asbestos Flood Control and Cleanup	4,081			4,081
12	2021-23 Waste Tire Pile Cleanup and Prevention			1,000	1,000
Protect and Manage Our State's Waters					
13	2021-23 Water Pollution Control Revolving Program			300,000	300,000
14	2021-23 Centennial Clean Water Program	80,000			80,000
15	2021-23 Floodplains by Design ²	70,000			70,000
16	2021-23 Stormwater Financial Assistance Program		52,700		52,700
17	2021-23 Columbia River Water Supply Development Program	38,500		1,500	40,000
18	2021-23 Streamflow Restoration Program			40,000	40,000
19	2021-23 Yakima River Basin Water Supply	42,000			42,000
20	2021-23 Chehalis Basin Strategy	70,000			70,000
21	2021-23 Sunnyside Valley Irrigation District Water Conservation	4,281			4,281
22	2021-23 State Match - Water Pollution Control Revolving Program			15,000	15,000
23	2021-23 Coastal Wetlands Federal Funds			8,000	8,000
24	2021-23 Freshwater Aquatic Invasive Plants Grant Program			1,700	1,700
25	2021-23 Freshwater Algae Grant Program			730	730
Protect and Restore Puget Sound					
26	2021-23 Puget Sound Nutrient Reduction Grant Program	9,000			9,000
27	2021-23 Clean Up Toxics Sites - Puget Sound		5,808		5,808
Facility Related					
28	Lacey HQ Parking Garage Preservation ^{2,3}	3,797			3,797
29	Lacey HQ Elevator Restoration	1,596			1,596
Total Proposed Capital Budget Request		348,692	188,235	370,930	907,857

Notes¹Model Toxics Control Capital (23N-1) and Stormwater (23R-1) Accounts.²Capital Project Request updated since original budget submittal in September 2020.³Amount updated since original budget submittal in September 2020.

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2021-23 Biennium Capital Budget Summary Ranking

October 26, 2020

Purpose: Provides Final ranking of 2021-23 Biennium budget requests.

Priority	Program	Project Number	Project Title	New Appropriations Dollars in \$000s	Reappropriations Dollars in \$000s
1	WQP	40000337	2021-23 Water Pollution Control Revolving Program	\$ 300,000	
2	TCP	40000360	2021-23 Protect Investments in Cleanup Remedies	\$ 11,093	
3	WQP	40000359	2021-23 Centennial Clean Water Program	\$ 80,000	
4	TCP	40000304	2021-23 Remedial Action Grant Program	\$ 61,800	
5	SEA	40000389	2021-23 Floodplains by Design	\$ 70,000	
6	WQP	40000336	2021-23 Stormwater Financial Assistance Program	\$ 52,700	
7	WR/OCR	40000399	2021-23 Columbia River Water Supply Development Program	\$ 40,000	
8	WRP	40000397	2021-23 Streamflow Restoration Program	\$ 40,000	
9	WQP	40000396	2021-23 Puget Sound Nutrient Reduction Grant Program	\$ 9,000	
10	TCP	40000378	2021-23 Healthy Housing Remediation Program	\$ 10,161	
11	WR/OCR	40000422	2021-23 Yakima River Basin Water Supply	\$ 42,000	
12	TCP	40000340	2021-23 Eastern WA Clean Sites Initiative	\$ 20,520	
13	TCP	40000346	2021-23 Clean Up Toxic Sites-Puget Sound	\$ 5,808	
14	SEA/OCB	40000387	2021-23 Chehalis Basin Strategy	\$ 70,000	
15	TCP	40000438	2021-23 PFAS Contaminated Drinking Water	\$ 15,276	
16	Admin	40000384	Lacey HQ Parking Garage Preservation	\$ 3,797	
17	WR/OCR	40000391	2021-23 Sunnyside Valley Irrigation Distr Water Conservation	\$ 4,281	
18	WQP	40000339	2021-23 State Match Water Pollution Control Revolving Program	\$ 15,000	
19	AQP	40000390	2021-23 Reducing Diesel GHG & Toxic Emissions	\$ 15,000	
20	AQP	40000371	2021-23 Reducing Toxic Wood Stove Emissions	\$ 4,000	
21	TCP	40000303	2021-23 ASARCO Everett Smelter Plume Cleanup	\$ 10,814	
22	TCP	40000386	2021-23 ASARCO Tacoma Smelter Plume Cleanup	\$ 3,000	
23	HWTR	40000436	2021-23 Product Replacement Program	\$ 6,500	
24	Admin	40000377	Lacey HQ Elevator Restoration	\$ 1,596	
25	TCP	40000395	2021-23 Swift Creek Natural Asbestos Flood Control and Cleanup	\$ 4,081	
26	SWM	40000338	2021-23 Waste Tire Pile Cleanup and Prevention	\$ 1,000	
27	SEA	40000388	2021-23 Coastal Wetlands Federal Funds	\$ 8,000	
28	WQP	40000375	2021-23 Freshwater Aquatic Invasive Plants Grant Program	\$ 1,700	
29	WQP	40000376	2021-23 Freshwater Algae Grant Program	\$ 730	
30	WQP	40000110	2019-21 Water Pollution Control Revolving Program		\$ 204,000
31	WQP	30000710	Water Pollution Control Revolving Program		\$ 185,505
32	AQP	40000018	VW Settlement Funded Projects		\$ 112,052
33	SEA/OCB	40000209	2019-21 Chehalis Basin Strategy		\$ 69,661
34	SEA	40000129	2019-21 Floodplains by Design		\$ 49,118
35	TCP	40000211	2019-21 Remedial Action Grants		\$ 48,093
36	WQP	40000144	2019-21 Stormwater Financial Assistance Program		\$ 46,521
37	WR/OCR	40000152	2019-21 Columbia River Water Supply		\$ 39,997
38	WRP	40000177	2019-21 Streamflow Restoration Program		\$ 39,420
39	WQP	30000796	2017-19 Stormwater Financial Assistance Program		\$ 34,536
40	TCP	40000288	2020 Remedial Action Grants		\$ 32,656
41	WQP	92000076	Storm Water Improvements		\$ 31,532
42	WR/OCR	40000179	2019-21 Yakima River Basin Water Supply		\$ 27,956
43	SEA	30000706	Floodplains by Design		\$ 26,756
44	TCP	30000458	Remedial Action Grants		\$ 26,159
45	WQP	40000116	2019-21 Centennial Clean Water Program		\$ 25,947
46	WR/OCR	30000712	Columbia River Water Supply Development		\$ 25,258
47	WQP	30000535	Stormwater Financial Assistance Program		\$ 23,040
48	WQP	30000705	2017-19 Centennial Clean Water Program		\$ 22,932

Priority	Program	Project Number	Project Title	New Appropriations Dollars in \$000s	Reappropriations Dollars in \$000s
49	WQP	30000797	2015-17 Restored Stormwater Financial Assistance		\$ 22,139
50	TCP	30000670	ASARCO Cleanup		\$ 19,300
51	TCP	30000216	Remedial Action Grant Program		\$ 17,378
52	AQP	40000109	Reduce Air Pollution from Transit/Sch.		\$ 17,263
53	TCP	40000130	2019-21 Clean Up Toxics Sites - Puget Sound		\$ 12,609
54	TCP	40000117	2019-21 Eastern Washington Clean Sites Initiative		\$ 12,110
55	SEA	30000537	Floodplains by Design		\$ 10,542
56	SEA/OCB	40000006	Catastrophic Flood Relief		\$ 10,000
57	TCP	30000374	Remedial Action Grants		\$ 9,545
58	SEA	30000536	Coastal Wetlands Federal Funds		\$ 8,987
59	NWP	19972012	Low-Level Nuclear Waste Disposal Trench		\$ 8,482
60	TCP	30000432	Eastern Washington Clean Sites Initiative		\$ 8,286
61	TCP	40000194	2019-21 Protect Investments in Cleanup Remedies		\$ 7,288
62	WRP	91000343	Water Availability		\$ 7,081
63	TCP	40000114	2019-21 ASARCO Cleanup		\$ 6,800
64	TCP	30000542	Cleanup Toxics Sites - Puget Sound		\$ 6,294
65	WR/OCR	30000590	Yakima River Basin Water Supply		\$ 5,283
66	TCP	40000149	Healthy Housing Remediation Program		\$ 5,000
67	TCP	40000108	Mount Baker Property Cleanup Project		\$ 4,500
68	WR/OCR	40000111	2019-21 Sunnyside Valley Irrigation Distr. Water Conserv.		\$ 4,234
69	WR	30000714	Watershed Plan Implementation and Flow Achievement		\$ 4,091
70	TCP	30000707	2017-19 Remedial Action Grants		\$ 3,626
71	Admin	40000148	Lacey HQ Roof Replacement		\$ 2,948
72	TCP	30000039	Remedial Action Grant Program		\$ 2,893
73	WQP	30000427	Centennial Clean Water Program		\$ 2,837
74	TCP	30000280	ASARCO - Tacoma Smelter Plume and Mines		\$ 2,836
75	WR/OCR	30000673	Sunnyside Valley Irrigation District Water Conservation		\$ 2,657
76	TCP	30000763	2015-17 Restored Clean Up Toxic Sites - Puget Sound		\$ 2,500
77	TCP	30000704	2015-17 Restored Eastern WA Clean Sites Initiative		\$ 2,351
78	WR	30000740	Water Irrigation Efficiencies Program		\$ 2,343
79	WR	30000331	Watershed Plan Implementation and Flow Ach		\$ 2,325
80	Admin	30000741	ERO Improvements and Stormwater Treatment		\$ 2,306
81	WR	91000347	Skagit Water		\$ 2,274
82	HWTR	40000210	Chemical Action Plan Implementation		\$ 2,217
83	TCP	30000538	ASARCO Cleanup		\$ 2,067
84	TCP	30000742	2017-19 Eastern Washington Clean Sites		\$ 1,740
85	TCP	30000708	Swift Creek Natural Asbestos Flood Control and Cleanup		\$ 1,688
86	WR/OCR	30000588	Columbia River Water Supply Development		\$ 1,674
87	TCP	30000334	ASARCO Cleanup		\$ 1,628
88	AQP	40000126	2019-21 Reducing Toxic Wood Stove Emissions		\$ 1,353
89	WR	92000142	Drought Response		\$ 1,277
90	TCP	30000337	Clean Up Toxics Sites - Puget Sound		\$ 1,143
91	WR/OCR	30000589	Sunnyside Valley Irrigation District Water Conservation		\$ 1,129
92	TCP	40000286	2020 Eastern Washington Clean Sites Initiative		\$ 1,000
93	AQP	40000115	2019-21 Reducing Toxic Diesel Emissions		\$ 988
94	WR	30000591	Watershed Plan Implementation and Flow Achievement		\$ 904
95	TCP	92000158	Port of Tacoma Arkema/Dunlap Mound		\$ 727
96	WR	30000333	Dungeness Water Supply & Mitigation		\$ 689
97	WR	40000146	2015 Drought Authority		\$ 669
98	SEA	30000335	Padilla Bay Federal Projects - Programmatic		\$ 500
99	SEA	40000127	Padilla Bay Federal Capital Projects		\$ 500
100	SWM	40000147	Waste Tire Pile Cleanup and Prevention		\$ 456
101	TCP	91000359	PFAS Pilot Project		\$ 400
102	TCP	30000144	Clean Up Toxic Sites - Puget Sound		\$ 317

Priority	Program	Project Number	Project Title	New Appropriations Dollars in \$000s	Reappropriations Dollars in \$000s
103	TCP	30000490	Leaking Tank Model Remedies		\$ 312
104	WR	19742006	Water Supply Facilities		\$ 295
105	TCP	30000749	2017-19 Clean Up Toxics Sites - Puget Sound		\$ 263
106	Admin	40000207	Lacey HQ Facility Preservation Proj.-Minor Works		\$ 250
107	SWM	30000672	Waste Tire Pile Cleanup and Prevention		\$ 222
108	WR	40000193	Zosel Dam Preservation		\$ 217
109	HWTR	40000128	Mercury Switch Removal		\$ 206
110	SEA	30000282	Padilla Bay Federal Capital Projects		\$ 194
111	WR	30000213	Watershed Plan Implementation and Flow Ach		\$ 185
112	TCP	30000351	Eastern Washington Clean Sites Initiative		\$ 162
113	TCP	30000265	Clean Up Toxics Sites - Puget Sound		\$ 160
114	WR	20042951	Twin Lake Aquifer Recharge Project		\$ 146
115	WR	30000028	Watershed Plan Implementation and Flow Ach		\$ 126
116	WR	20052852	Quad Cities Water Right Mitigation		\$ 116
117	WR	20062950	Columbia River Water Supply Development		\$ 97
118	WR	30000587	Water Irrigation Efficiencies Program		\$ 62
119	WR	20081951	Transfer of Water Rights for Cabin Owners		\$ 57
120	SEA	91000007	Habitat Mitigation		\$ 47
121	WR	30000372	Columbia River Water Supply Development		\$ 45

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1	40000337 2021-23 Water Pollution Control Revolving Program									
	727-1 Water Pollution Cont-State	1,125,000,000				225,000,000	225,000,000	225,000,000	225,000,000	225,000,000
	727-2 Water Pollution Cont-Federal	375,000,000				75,000,000	75,000,000	75,000,000	75,000,000	75,000,000
	Project Total:	1,500,000,000				300,000,000	300,000,000	300,000,000	300,000,000	300,000,000
2	40000360 2021-23 Protect Investments in Cleanup Remedies									
	23N-1 MTC Capital Account-State	51,093,000				11,093,000	10,000,000	10,000,000	10,000,000	10,000,000
3	40000359 2021-23 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
4	40000304 2021-23 Remedial Action Grant Program									
	23N-1 MTC Capital Account-State	326,600,000				61,800,000	66,200,000	66,200,000	66,200,000	66,200,000
5	40000389 2021-23 Floodplains by Design									
	057-1 State Bldg Constr-State	350,000,000				70,000,000	70,000,000	70,000,000	70,000,000	70,000,000
6	40000336 2021-23 Stormwater Financial Assistance Program									
	23R-1 MTC Stormw Account-State	332,700,000				52,700,000	70,000,000	70,000,000	70,000,000	70,000,000
7	40000399 2021-23 Columbia River Water Supply Development Program									
	057-1 State Bldg Constr-State	192,500,000				38,500,000	38,500,000	38,500,000	38,500,000	38,500,000
	296-1 Col River Bas Wtr Su-State	7,500,000				1,500,000	1,500,000	1,500,000	1,500,000	1,500,000
	Project Total:	200,000,000				40,000,000	40,000,000	40,000,000	40,000,000	40,000,000
8	40000397 2021-23 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
9	40000396 2021-23 Puget Sound Nutrient Reduction Grant Program									
	057-1 State Bldg Constr-State	45,000,000				9,000,000	9,000,000	9,000,000	9,000,000	9,000,000

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10	40000378 2021-23 Healthy Housing Remediation Program 057-1 State Bldg Constr-State	50,161,000				10,161,000	10,000,000	10,000,000	10,000,000	10,000,000
11	40000422 2021-23 Yakima River Basin Water Supply 057-1 State Bldg Constr-State	210,000,000				42,000,000	42,000,000	42,000,000	42,000,000	42,000,000
12	40000340 2021-23 Eastern Washington Clean Sites Initiative 23N-1 MTC Capital Account-State	60,520,000				20,520,000	10,000,000	10,000,000	10,000,000	10,000,000
13	40000346 2021-23 Clean Up Toxic Sites – Puget Sound 23N-1 MTC Capital Account-State	45,808,000				5,808,000	10,000,000	10,000,000	10,000,000	10,000,000
14	40000387 2021-23 Chehalis Basin Strategy 057-1 State Bldg Constr-State	350,000,000				70,000,000	70,000,000	70,000,000	70,000,000	70,000,000
15	40000438 2021-23 PFAS Contaminated Drinking Water 057-1 State Bldg Constr-State	15,276,000				15,276,000				
16	40000384 Lacey HQ Parking Garage Preservation 057-1 State Bldg Constr-State	3,797,000				3,797,000				
17	40000391 2021-23 Sunnyside Valley Irrigation District Water Conservation 057-1 State Bldg Constr-State	21,405,000				4,281,000	4,281,000	4,281,000	4,281,000	4,281,000
18	40000339 2021-23 State Match - Water Pollution Control Revolving Program 355-1 St. Bld Const Acct-State	75,000,000				15,000,000	15,000,000	15,000,000	15,000,000	15,000,000
19	40000390 2021-23 Reducing Diesel GHG & Toxic Emissions 23N-1 MTC Capital Account-State	75,000,000				15,000,000	15,000,000	15,000,000	15,000,000	15,000,000
20	40000371 2021-23 Reducing Toxic Wood Stove Emissions 23N-1 MTC Capital Account-State	20,000,000				4,000,000	4,000,000	4,000,000	4,000,000	4,000,000

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21	40000303 2021-23 ASARCO Everett Smelter Plume Cleanup 23N-1 MTC Capital Account-State	27,536,000				10,814,000	8,236,000	7,986,000	250,000	250,000
22	40000386 2021-23 ASARCO Tacoma Smelter Plume Cleanup 15H-1 Cleanup Set Acct-State	20,200,000				3,000,000	13,000,000	4,200,000		
23	40000436 2021-23 Product Replacement Program 23N-1 MTC Capital Account-State	32,500,000				6,500,000	6,500,000	6,500,000	6,500,000	6,500,000
24	40000377 Lacey HQ Elevator Restoration 057-1 State Bldg Constr-State	1,596,000				1,596,000				
25	40000395 2021-23 Swift Creek Natural Asbestos Flood Control and Cleanup 057-1 State Bldg Constr-State	39,481,000				4,081,000	9,600,000	6,400,000	14,400,000	5,000,000
26	40000338 2021-23 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
27	40000388 2021-23 Coastal Wetlands Federal Funds 001-2 General Fund-Federal	40,000,000				8,000,000	8,000,000	8,000,000	8,000,000	8,000,000
28	40000375 2021-23 Freshwater Aquatic Invasive Plants Grant Program 222-1 Freshwtr Aqua Weeds-State	8,500,000				1,700,000	1,700,000	1,700,000	1,700,000	1,700,000
29	40000376 2021-23 Freshwater Algae Grant Program 10A-1 Aq Algae Cntrl Acct-State	3,730,000				730,000	750,000	750,000	750,000	750,000
30	40000110 2019-21 Water Pollution Control Revolving Program 727-1 Water Pollution Cont-State 727-2 Water Pollution Cont-Federal	148,000,000			148,000,000					
Project Total:		204,000,000			204,000,000					

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31	30000710 Water Pollution Control Revolving Program									
	727-1 Water Pollution Cont-State	160,000,000			160,000,000					
	727-2 Water Pollution Cont-Federal	50,000,000		24,495,000	25,505,000					
	Project Total:	210,000,000		24,495,000	185,505,000					
32	40000018 VW Settlement Funded Projects									
	001-7 General Fund-Private/Local	112,700,000	190,000	458,000	112,052,000					
33	40000209 2019-21 Chehalis Basin Strategy									
	057-1 State Bldg Constr-State	73,907,000		4,246,000	69,661,000					
34	40000129 2019-21 Floodplains by Design									
	057-1 State Bldg Constr-State	50,400,000		1,282,000	49,118,000					
35	40000211 2019-21 Remedial Action Grants									
	23N-1 MTC Capital Account-State	49,964,000		1,871,000	48,093,000					
36	40000144 2019-21 Stormwater Financial Assistance Program									
	23R-1 MTC Stormw Account-State	49,006,000		2,485,000	46,521,000					
37	40000152 2019-21 Columbia River Water Supply Development Program									
	057-1 State Bldg Constr-State	27,100,000		3,000	27,097,000					
	296-1 Col River Bas Wtr Su-State	2,400,000			2,400,000					
	355-1 St. Bld Const Acct-State	10,500,000			10,500,000					
	Project Total:	40,000,000		3,000	39,997,000					
38	40000177 2019-21 Streamflow Restoration Program									
	366-1 Wtrshd Rst Enhnc Bnd-State	40,000,000		580,000	39,420,000					
39	30000796 2017-19 Stormwater Financial Assistance Program									

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39	30000796 2017-19 Stormwater Financial Assistance Program									
	057-1 State Bldg Constr-State	25,000,000	83,000	1,376,000	23,541,000					
	173-1 State Toxics Control-State	66,000	66,000							
	23R-1 MTC Stormw Account-State	11,334,000		339,000	10,995,000					
	Project Total:	36,400,000	149,000	1,715,000	34,536,000					
40	40000288 2020 Remedial Action Grants									
	23N-1 MTC Capital Account-State	32,656,000			32,656,000					
41	92000076 Storm Water Improvements									
	057-1 State Bldg Constr-State	60,000,000	22,349,000	6,119,000	31,532,000					
	19G-1 ELS Account-State	36,966,000	36,966,000							
	Project Total:	96,966,000	59,315,000	6,119,000	31,532,000					
42	40000179 2019-21 Yakima River Basin Water Supply									
	057-1 State Bldg Constr-State	40,000,000		12,044,000	27,956,000					
43	30000706 Floodplains by Design 2017-19									
	057-1 State Bldg Constr-State	35,464,000	2,392,000	6,316,000	26,756,000					
44	30000458 Remedial Action Grants									
	057-1 State Bldg Constr-State	20,000,000	3,216,000	1,005,000	15,779,000					
	174-1 Local Toxics Control-State	19,820,000	19,820,000							
	23N-1 MTC Capital Account-State	12,927,000		2,547,000	10,380,000					
	Project Total:	52,747,000	23,036,000	3,552,000	26,159,000					
45	40000116 2019-21 Centennial Clean Water Program									

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45	40000116 2019-21 Centennial Clean Water Program 057-1 State Bldg Constr-State	30,000,000		4,053,000	25,947,000					
46	30000712 Columbia River Water Supply Development Program 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	19,550,000	25,000	5,877,000	13,648,000					
		12,250,000		2,641,000	9,609,000					
		2,000,000			2,000,000					
	Project Total:	33,800,000	25,000	8,518,000	25,257,000					
47	30000535 Stormwater Financial Assistance Program 174-1 Local Toxics Control-State 23R-1 MTC Stormw Account-State	4,251,000	4,251,000							
	Project Total:	31,201,000	4,251,000	3,910,000	23,040,000					
48	30000705 2017-19 Centennial Clean Water program 057-1 State Bldg Constr-State	35,000,000	4,771,000	7,297,000	22,932,000					
49	30000797 2015-17 Restored Stormwater Financial Assistance 057-1 State Bldg Constr-State	30,100,000	3,030,000	4,931,000	22,139,000					
50	30000670 ASARCO Cleanup 15H-1 Cleanup Set Acct-State	28,760,000	6,307,000	3,153,000	19,300,000					
51	30000216 Remedial Action Grant Program 174-1 Local Toxics Control-State 23N-1 MTC Capital Account-State	44,261,000	44,261,000							
		18,603,000		1,225,000	17,378,000					

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Project Total:		62,864,000	44,261,000	1,225,000	17,378,000					
52	40000109 Reduce Air Pollution from Transit/Sch. Buses/State-Owned Vehicles 216-1 Air Pollution Ctl Ac-State	28,400,000	4,594,000	6,543,000	17,263,000					
53	40000130 2019-21 Clean Up Toxics Sites – Puget Sound 23N-1 MTC Capital Account-State	12,767,000		158,000	12,609,000					
54	40000117 2019-21 Eastern Washington Clean Sites Initiative 23N-1 MTC Capital Account-State	12,110,000			12,110,000					
55	30000537 Floodplains by Design 057-1 State Bldg Constr-State	35,560,000	16,191,000	8,827,000	10,542,000					
56	40000006 Catastrophic Flood Relief 001-2 General Fund-Federal 057-1 State Bldg Constr-State	10,000,000 50,000,000			10,000,000 23,005,000					
Project Total:		60,000,000	26,995,000	23,005,000	10,000,000					
57	30000374 Remedial Action Grants 174-1 Local Toxics Control-State 23N-1 MTC Capital Account-State	52,048,000 10,489,000	52,048,000							
Project Total:		62,537,000	52,048,000	944,000	9,545,000					
58	30000536 Coastal Wetlands Federal Funds 001-2 General Fund-Federal	10,000,000		1,013,000	8,987,000					
59	19972012 Low-Level Nuclear Waste Disposal Trench Closure 125-1 Site Closure Account-State	13,402,000	4,910,000	10,000	8,482,000					
60	30000432 Eastern Washington Clean Sites Initiative									

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60	30000432 Eastern Washington Clean Sites Initiative 173-1 State Toxics Control-State 23N-1 MTC Capital Account-State	1,250,000 8,650,000	1,250,000	364,000	8,286,000					
	Project Total:	9,900,000	1,250,000	364,000	8,286,000					
61	40000194 2019-21 Protect Investments in Cleanup Remedies 23N-1 MTC Capital Account-State	8,204,000		916,000	7,288,000					
62	91000343 Water Availability 366-1 Wtrshd Rst Enhnc Bnd-State	13,600,000	67,000	6,452,000	7,081,000					
63	40000114 2019-21 ASARCO Cleanup 15H-1 Cleanup Set Acct-State	6,800,000			6,800,000					
64	30000542 Cleanup Toxics Sites - Puget Sound 173-1 State Toxics Control-State 23N-1 MTC Capital Account-State	6,496,000 7,885,000	6,496,000	1,591,000	6,294,000					
	Project Total:	14,381,000	6,496,000	1,591,000	6,294,000					
65	30000590 Yakima River Basin Water Supply 057-1 State Bldg Constr-State 355-1 St. Bld Const Acct-State	9,800,000 20,200,000	5,864,000 16,152,000	2,630,000 72,000	1,306,000 3,976,000					
	Project Total:	30,000,000	22,016,000	2,702,000	5,282,000					
66	40000149 Healthy Housing Remediation Program 23N-1 MTC Capital Account-State	5,000,000			5,000,000					
67	40000108 Healthy Housing Remediation Program 173-1 State Toxics Control-State	600,000	600,000							

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67	40000108 Healthy Housing Remediation Program 23N-1 MTC Capital Account-State	4,500,000			4,500,000					
	Project Total:	5,100,000	600,000		4,500,000					
68	40000111 2019-21 Sunnyside Valley Irrigation District Water Conservation 057-1 State Bldg Constr-State	4,234,000			4,234,000					
69	30000714 Watershed Plan Implementation and Flow Achievement 057-1 State Bldg Constr-State	5,000,000	449,000	460,000	4,091,000					
70	30000707 2017-19 Remedial Action Grants 174-1 Local Toxics Control-State 23N-1 MTC Capital Account-State	5,000 5,872,000	5,000	2,246,000	3,626,000					
	Project Total:	5,877,000	5,000	2,246,000	3,626,000					
71	40000148 Lacey HQ Roof Replacement 057-1 State Bldg Constr-State	3,089,000		141,000	2,948,000					
72	30000039 Remedial Action Grant Program 057-1 State Bldg Constr-State 174-1 Local Toxics Control-State 23N-1 MTC Capital Account-State	37,700,000 33,878,000 3,531,000	37,700,000 33,878,000	638,000	2,893,000					
	Project Total:	75,109,000	71,578,000	638,000	2,893,000					
73	30000427 Centennial Clean Water Program 057-1 State Bldg Constr-State 174-1 Local Toxics Control-State	12,500,000 7,353,000	11,467,000 7,353,000	202,000	831,000					

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73	30000427 Centennial Clean Water Program 23N-1 MTC Capital Account-State	2,647,000		641,000	2,006,000					
	Project Total:	22,500,000	18,820,000	843,000	2,837,000					
74	30000280 ASARCO - Tacoma Smelter Plume and Mines 15H-1 Cleanup Set Acct-State	20,647,000	17,798,000	13,000	2,836,000					
75	30000673 Sunnyside Valley Irrigation District Water Conservation 057-1 State Bldg Constr-State	4,684,000	1,759,000	268,000	2,657,000					
76	30000763 2015-17 Restored Clean Up Toxic Sites – Puget Sound 057-1 State Bldg Constr-State	5,240,000	1,247,000	1,493,000	2,500,000					
77	30000704 2015-17 Restored Eastern Washington Clean Sites Initiative 057-1 State Bldg Constr-State	2,436,000	50,000	35,000	2,351,000					
78	30000740 Water Irrigation Efficiencies Program 057-1 State Bldg Constr-State	6,500,000	2,536,000	1,621,000	2,343,000					
79	30000331 Watershed Plan Implementation and Flow Achievement 057-1 State Bldg Constr-State	10,000,000	7,293,000	382,000	2,325,000					
80	30000741 Eastern Regional Office Improvements and Stormwater Treatment 057-1 State Bldg Constr-State	3,886,000	1,281,000	299,000	2,306,000					
81	91000347 Skagit Water 057-1 State Bldg Constr-State	2,500,000	69,000	157,000	2,274,000					
82	40000210 Chemical Action Plan Implementation 23N-1 MTC Capital Account-State	3,704,000		1,487,000	2,217,000					
83	30000538 ASARCO Cleanup									

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Ten Year Capital Plan by Project Priority

2021-23 Biennium *

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Report Number: CBS001

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Project by Agency Priority										
Priority	Project by Account-EA Type	Estimated Total	Prior Expenditures	Current Expenditures	Reapprop 2021-23	New Approp 2021-23	Estimated 2023-25	Estimated 2025-27	Estimated 2027-29	Estimated 2029-31
83	30000538 ASARCO Cleanup 15H-1 Cleanup Set Acct-State	12,146,000	9,745,000	334,000	2,067,000					
84	30000742 2017-19 Eastern Washington Clean Sites Initiative 23N-1 MTC Capital Account-State	1,740,000			1,740,000					
85	30000708 Swift Creek Natural Asbestos Flood Control and Cleanup 057-1 State Bldg Constr-State	6,400,000	1,000,000	3,712,000	1,688,000					
86	30000588 Columbia River Water Supply Development Program 10P-1 Col River Water-State 296-1 Col River Bas Wtr Su-State	16,800,000	16,316,000	484,000						
		2,200,000	265,000	261,000	1,674,000					
	Project Total:	19,000,000	16,581,000	745,000	1,674,000					
87	30000334 ASARCO Cleanup 057-1 State Bldg Constr-State 15H-1 Cleanup Set Acct-State	6,000,000	6,000,000							
		30,660,000	28,734,000	298,000	1,628,000					
	Project Total:	36,660,000	34,734,000	298,000	1,628,000					
88	40000126 2019-21 Reducing Toxic Wood Stove Emissions 216-1 Air Pollution Ctl Ac-State	2,500,000		1,147,000	1,353,000					
89	92000142 Drought Response 05W-1 State Drought Prep-State	6,723,000	5,180,000	266,000	1,277,000					
90	30000337 Clean Up Toxics Sites - Puget Sound 19G-1 ELS Account-State 23N-1 MTC Capital Account-State	23,212,000	23,212,000							
		1,843,000		700,000	1,143,000					
	Project Total:	25,055,000	23,212,000	700,000	1,143,000					

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Project by Agency Priority

Priority	Project by Account-EA Type	Estimated Total	Prior Expenditures	Current Expenditures	Reapprop 2021-23	New Approp 2021-23	Estimated 2023-25	Estimated 2025-27	Estimated 2027-29	Estimated 2029-31
91	30000589 Sunnyside Valley Irrigation District Water Conservation 057-1 State Bldg Constr-State	3,055,000	1,508,000	418,000	1,129,000					
92	40000286 2020 Eastern Washington Clean Sites Initiative 23N-1 MTC Capital Account-State	1,000,000			1,000,000					
93	40000115 2019-21 Reducing Toxic Diesel Emissions 216-1 Air Pollution Ctl Ac-State	1,000,000		12,000	988,000					
94	30000591 Watershed Plan Implementation and Flow Achievement 057-1 State Bldg Constr-State	5,000,000	3,193,000	903,000	904,000					
95	92000158 Port of Tacoma Arkema/Dunlap Mound 057-1 State Bldg Constr-State	2,900,000	2,173,000		727,000					
96	30000333 Dungeness Water Supply & Mitigation 057-1 State Bldg Constr-State	2,050,000	1,173,000	188,000	689,000					
97	40000146 2015 Drought Authority 05W-1 State Drought Prep-State	669,000			669,000					
98	30000335 Padilla Bay Federal Capital Projects - Programmatic 001-2 General Fund-Federal	500,000			500,000					
99	40000127 Padilla Bay Federal Capital Projects 001-2 General Fund-Federal	500,000			500,000					
100	40000147 Waste Tire Pile Cleanup and Prevention 08R-1 Waste Tire Removal A-State	1,000,000		544,000	456,000					
101	91000359 PFAS Pilot Project 057-1 State Bldg Constr-State	400,000			400,000					

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Project by Agency Priority										
Priority	Project by Account-EA Type	Estimated Total	Prior Expenditures	Current Expenditures	Reapprop 2021-23	New Approp 2021-23	Estimated 2023-25	Estimated 2025-27	Estimated 2027-29	Estimated 2029-31
102	30000144 Clean Up Toxics Sites - Puget Sound									
	057-1 State Bldg Constr-State	511,000	511,000							
	15H-1 Cleanup Set Acct-State	18,300,000	18,300,000							
	173-1 State Toxics Control-State	19,905,000	19,905,000							
	23N-1 MTC Capital Account-State	318,000		1,000	317,000					
	Project Total:	39,034,000	38,716,000	1,000	317,000					
103	30000490 Leaking Tank Model Remedies									
	173-1 State Toxics Control-State	1,481,000	1,481,000							
	23N-1 MTC Capital Account-State	519,000		207,000	312,000					
	Project Total:	2,000,000	1,481,000	207,000	312,000					
104	19742006 Water Supply Facilities									
	05W-1 State Drought Prep-State	3,899,000	3,899,000							
	072-1 Improv-Water Supply-State	11,512,000	11,217,000		295,000					
	Project Total:	15,411,000	15,116,000		295,000					
105	30000749 2017-19 Clean Up Toxics Sites - Puget Sound									
	173-1 State Toxics Control-State	872,000	872,000							
	23N-1 MTC Capital Account-State	1,310,000		1,047,000	263,000					
	Project Total:	2,182,000	872,000	1,047,000	263,000					
106	40000207 Lacey HQ Facility Preservation Project—Minor Works									
	057-1 State Bldg Constr-State	250,000			250,000					
107	30000672 Waste Tire Pile Cleanup and Prevention									

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Project by Agency Priority										
Priority	Project by Account-EA Type	Estimated Total	Prior Expenditures	Current Expenditures	Reappropriation 2021-23	New Appropriation 2021-23	Estimated 2023-25	Estimated 2025-27	Estimated 2027-29	Estimated 2029-31
107	30000672 Waste Tire Pile Cleanup and Prevention Removal A-State	1,000,000	528,000	250,000	222,000					
108	40000193 Zosel Dam Preservation									
	057-1 State Bldg Constr-State	217,000			217,000					
109	40000128 Mercury Switch Removal									
	23N-1 MTC Capital Account-State	250,000		44,000	206,000					
110	30000282 Padilla Bay Federal Capital Projects									
	001-2 General Fund-Federal	800,000	275,000	331,000	194,000					
111	30000213 Watershed Plan Implementation and Flow Achievement									
	057-1 State Bldg Constr-State	8,045,000	7,613,000	247,000	185,000					
112	30000351 Eastern Washington Clean Sites Initiative									
	19G-1 ELS Account-State	7,432,000	7,432,000							
	23N-1 MTC Capital Account-State	168,000		6,000	162,000					
	Project Total:	7,600,000	7,432,000	6,000	162,000					
113	30000265 Clean Up Toxics Sites - Puget Sound									
	173-1 State Toxics Control-State	15,041,000	15,041,000							
	23N-1 MTC Capital Account-State	161,000		1,000	160,000					
	Project Total:	15,202,000	15,041,000	1,000	160,000					
114	20042951 Twin Lake Aquifer Recharge Project									
	057-1 State Bldg Constr-State	749,000	593,000	10,000	146,000					
115	30000028 Watershed Plan Implementation and Flow Achievement									
	057-1 State Bldg Constr-State	5,997,000	5,722,000	149,000	126,000					

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Project by Agency Priority										
Priority	Project by Account-EA Type	Estimated Total	Prior Expenditures	Current Expenditures	Reapprop 2021-23	New Approp 2021-23	Estimated 2023-25	Estimated 2025-27	Estimated 2027-29	Estimated 2029-31
116	20052852 Quad Cities Water Right Mitigation 057-1 State Bldg Constr-State	1,600,000	1,484,000		116,000					
117	20062950 Columbia River Basin Water Supply Development Program 10P-1 Col River Water-State 18B-1 Col Riv Bas Acct-State	80,867,000	79,122,000	1,648,000	97,000					
Project Total:		91,271,000	89,526,000	1,648,000	97,000					
118	30000587 Water Irrigation Efficiencies Program 057-1 State Bldg Constr-State	4,000,000	3,504,000	434,000	62,000					
119	20081951 Transfer of Water Rights for Cabin Owners 057-1 State Bldg Constr-State	450,000	387,000	6,000	57,000					
120	91000007 Habitat Mitigation 057-1 State Bldg Constr-State	2,445,000	2,398,000		47,000					
121	30000372 Columbia River Water Supply Development Program 10P-1 Col River Water-State 18B-1 Col Riv Bas Acct-State	43,955,000	43,715,000	240,000	45,000					
Project Total:		74,500,000	74,215,000	240,000	45,000					
Total		6,791,306,000	769,181,000	174,749,000	1,336,473,000	907,857,000	914,267,000	902,017,000	898,081,000	888,681,000
Total Account Summary										
Account-Expenditure Authority Type	Estimated Total	Prior Expenditures	Current Expenditures	Reapprop 2021-23	New Approp 2021-23	Estimated 2023-25	Estimated 2025-27	Estimated 2027-29	Estimated 2029-31	

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Total Account Summary

Account-Expenditure Authority Type	Estimated Total	Prior Expenditures	Current Expenditures	Reapprop 2021-23	New Approp 2021-23	Estimated 2023-25	Estimated 2025-27	Estimated 2027-29	Estimated 2029-31
001-2 General Fund-Federal	61,800,000	275,000	1,344,000	20,181,000	8,000,000	8,000,000	8,000,000	8,000,000	8,000,000
001-7 General Fund-Private/Local	112,700,000	190,000	458,000	112,052,000					
057-1 State Bldg Constr-State	2,368,935,000	186,026,000	100,136,000	403,557,000	348,692,000	333,381,000	330,181,000	338,181,000	328,781,000
05W-1 State Drought Prep-State	11,291,000	9,079,000	266,000	1,946,000					
072-1 Improv-Water Supply-State	11,512,000	11,217,000		295,000					
08R-1 Waste Tire Removal A-State	7,000,000	528,000	794,000	678,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
10A-1 Aq Algae Cntrl Acct-State	3,730,000				730,000	750,000	750,000	750,000	750,000
10P-1 Col River Water-State	153,872,000	139,153,000	5,013,000	9,706,000					
10P-B Col River Water-Debt Limit									
125-1 Site Closure Account-State	13,402,000	4,910,000	10,000	8,482,000					
15H-1 Cleanup Set Acct-State	137,513,000	80,884,000	3,798,000	32,631,000	3,000,000	13,000,000	4,200,000		
173-1 State Toxics Control-State	45,711,000	45,711,000							
174-1 Local Toxics Control-State	161,616,000	161,616,000							
18B-1 Col Riv Bas Acct-State	40,949,000	40,904,000		45,000					
19G-1 ELS Account-State	67,610,000	67,610,000							
216-1 Air Pollution Ctl Ac-State	31,900,000	4,594,000	7,702,000	19,604,000					
222-1 Freshwtr Aqua Weeds-State	8,500,000				1,700,000	1,700,000	1,700,000	1,700,000	1,700,000
23N-1 MTC Capital Account-State	845,875,000		16,634,000	190,184,000	135,535,000	129,936,000	129,686,000	121,950,000	121,950,000
23R-1 MTC Stormw Account-State	419,990,000		6,734,000	80,556,000	52,700,000	70,000,000	70,000,000	70,000,000	70,000,000
296-1 Col River Bas Wtr Su-State	14,100,000	265,000	261,000	6,074,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000
355-1 St. Bld Const Acct-State	105,700,000	16,152,000	72,000	14,476,000	15,000,000	15,000,000	15,000,000	15,000,000	15,000,000
366-1 Wtrshd Rst Enhnc Bnd-State	253,600,000	67,000	7,032,000	46,501,000	40,000,000	40,000,000	40,000,000	40,000,000	40,000,000
727-1 Water Pollution Cont-State	1,433,000,000			308,000,000	225,000,000	225,000,000	225,000,000	225,000,000	225,000,000
727-2 Water Pollution Cont-Federal	481,000,000		24,495,000	81,505,000	75,000,000	75,000,000	75,000,000	75,000,000	75,000,000
Total	6,791,306,000	769,181,000	174,749,000	1,336,473,000	907,857,000	914,267,000	902,017,000	898,081,000	888,681,000



STATE OF WASHINGTON

DEPARTMENT OF ARCHAEOLOGY & HISTORIC PRESERVATION

1063 S. Capitol Way, Suite 106 • Olympia, Washington 98501
Mailing address: PO Box 48343 • Olympia, Washington 98504-8343
(360) 586-3065 • Fax Number (360) 586-3067 • Website: www.dahp.wa.gov

August 22, 2006

Mr. Fran Huntington
Facilities Management
Department of Ecology
PO Box 47600
Olympia, Washington 98504-7600

Re: Ecology Regional Office Addition / Spokane
Log No.: 082206-24-ECY

Dear Mr. Huntington:

Thank you for contacting our department pursuant to Executive Order 0505. We have reviewed the materials you provided for the proposed Ecology Regional Office Addition at N. 4601 Monroe, Spokane, Spokane County, Washington.

Based upon this information we concur with the finding the proposed project will have no effect upon cultural properties included in the National and State Registers of Historic Places and the Washington State Archaeological and Historic Sites Inventories. Thus, no historic properties are affected.

These comments are based on the information available at the time of this review and on behalf of the State Historic Preservation Officer in conformance with Executive Order 05-05.

Should additional information become available, our assessment may be revised, including information regarding historic properties that have not yet been identified. 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 tribe's cultural staff and cultural committee and this department notified. 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)586-3080
email: rob.whitlam@dahp.wa.gov



DEPARTMENT OF ARCHAEOLOGY & HISTORIC PRESERVATION

Protect the Past, Shape the Future

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461 - Department of Ecology

Capital FTE Summary

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS004

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FTEs by Job Classification

Job Class	Authorized Budget		2021-23 Biennium	
	2019-21 Biennium			
	FY 2020	FY 2021	FY 2022	FY 2023
05IT - IT App Dev-Journey			3.8	3.7
32 - Environmental Technician			0.3	0.3
43 - Environmental Specialist 2			0.8	0.8
44 - Fiscal Analyst 2			7.6	7.5
46 - Administrative Assistant 4			1.0	1.0
49 - Comm Outreach & Enviro Ed Spec 3			2.5	2.5
49 - Environmental Specialist 3			8.2	8.2
49 - Natural Resource Specialist 2			0.1	0.1
52 - Hydrogeologist 1			0.3	0.3
55 - Comm Outreach & Enviro Ed Spec 4			0.1	0.1
55 - Environmental Planner 3			6.4	6.4
55 - Environmental Specialist 4			15.1	15.1
57 - Management Analyst 4			1.0	1.0
58 - Hydrogeologist 2			1.6	1.6
59 - Environmental Planner 4			9.8	9.8
59 - Environmental Specialist 5			7.0	6.7
60 - Management Analyst 5			1.0	1.0
60 - Natural Resource Scientist 3			1.0	1.0
61 - Budget Analyst 4			0.1	0.1
61 - Communications Consultant 5			0.3	0.3
61 - Economic Analyst 3			0.2	0.2
61 - Environmental Engineer 2			4.0	4.0
62 - Hydrogeologist 3			0.2	0.2
63 - Environmental Planner 5			5.3	5.3
66 - Hydrogeologist 4			1.5	1.5
67 - Construction Project Coordinator 3			1.0	0.0
67 - Environmental Engineer 3			2.0	2.0
70 - Hydrogeologist 5			0.3	0.3
71 - Environmental Engineer 5			1.4	1.4
73 - Environmental Engineer 6			0.3	0.3
EMS 3			0.1	0.1
EMS 4			1.9	1.9
WMS 1			0.2	0.2
WMS 2			1.6	1.6
Total FTEs			88.0	86.5

Account

Account - Expenditure Authority Type	Authorized Budget		2021-23 Biennium	
	2019-21 Biennium			
	FY 2020	FY 2021	FY 2022	FY 2023
001-2 General Fund-Federal			67,081	67,081

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Capital FTE Summary

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

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Date Run: 9/3/2020 1:55PM

Account (Continued)

<u>Account - Expenditure Authority Type</u>	Authorized Budget		2021-23 Biennium	
	2019-21 Biennium			
	<u>FY 2020</u>	<u>FY 2021</u>	<u>FY 2022</u>	<u>FY 2023</u>
001-7 General Fund-Private/Local			844,636	844,636
057-1 State Bldg Constr-State			4,619,283	4,442,971
08R-1 Waste Tire Removal A-State			122,000	122,000
10A-1 Aq Algae Cntrl Acct-State			56,148	56,148
15H-1 Cleanup Set Acct-State			1,003,133	1,003,133
216-1 Air Pollution Ctl Ac-State			81,512	81,512
222-1 Freshwtr Aqua Weeds-State			239,368	239,368
23N-1 MTC Capital Account-State			1,255,584	1,218,931
23R-1 MTC Stormw Account-State			2,020,500	2,020,500
Total Funding			10,309,245	10,096,280

Narrative

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Capital FTE Summary

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial**Report Number:** CBS004**Date Run:** 9/3/2020 1:55PM**Narrative**

Capital FTE Narrative

40000384 Lacey HQ Parking Garage Preservation

Ecology will require a total of 1.15 FTE in FY 2022 (0.58 FTE for 2021-23 biennium) for staff to oversee project development, bid/construction documents, and construction management of this project. The deterioration of the parking garage over the last decade has been quite significant, and the repairs to the facility are expected to be complex, requiring an additional FTE to oversee the project. Current facility staff do not have capacity to do this work.

40000390 2021-23 Reducing Diesel GHG & Toxic Emissions

This request requires a total of 1.15 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.

40000371 2021-23 Reducing Toxic Wood Stove Emissions

This request requires a total of 0.29 FTE. This position implements the grant program, evaluating client needs and solutions, soliciting applications, and providing technical assistance. This is the same level of staffing for the 2019-21 Biennium. Please note, this FTE would support both this new appropriation, as well as any related reappropriation project under this capital program.

40000018 VW Settlement Funded Projects (Reappropriation)

This project requires a total of 6.84 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. 2021-23 estimates are 1.09 FTEs higher than 2019-21 estimates to reflect ongoing agreement maintenance and oversight for the large number of multi-year agreements while the program is still developing new grant opportunities.

40000109 Reduce Air Pollution from Transit/Sch. (Reappropriation)

This project requires a total of 0.69 FTE. These staff will administer the program, including developing and soliciting applications, drafting grant guidelines, contracting with grant recipients, contracting with technology and service vendors, providing technical assistance, processing vendor/recipient payments, agreement maintenance and oversight, and closing grant awards. This level of FTE is consistent with the 2019-21 biennium.

40000436 2021-23 Product Replacement Program

Ecology requires 1.15 FTEs to provide administrative oversight and management of the Product Replacement Program. This is consistent with the staffing level for this program in the 2019-21 Biennium.

40000128 Mercury Switch Removal (Reappropriation)

This request requires a total of 0.14 FTE to provide outreach and technical assistance to wrecking and recycling facilities participating in the Automotive Mercury Switch Removal Program. This requires 0.29 FTE in FY 2022 (none in FY 2023), consistent with the level of FTE supporting this work in the 2019-21 Biennium.

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Capital FTE Summary

2021-23 Biennium

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This project requires a total of 0.52 FTE. This is a similar level of FTEs currently supporting this capital project in the 2019-21 biennium. An Environmental Planner 3 (0.45 FTE) will manage the grant program and liaison with federal agencies and applicants. This position will administer the federal grants, manage the project contracts to disburse federal funds via the grant program, manage the grant application process, provide liaison with the federal funding agencies, and work with applicants and the federal agencies on grant applications. Awarded funds will provide \$15,000 - \$20,000 for grant management and administration over the life of each award.

40000389 2021-23 Floodplains by Design

This project requires a total of 8.0 FTEs. Floodplains by Design program staff provide project oversight, performance and financial management, outreach to local floodplain management agencies, and coordination with our partners at the Puget Sound Partnership and The Nature Conservancy. They advise local project sponsors on the expectations of the program and project development, manage active projects including site visits, coordinate with other grant programs and Ecology's Coordinated Strategic Initiative, and assist with Ecology policy and budget development. This is a slightly higher level of staff over the total that managed the program in the 2019-21 Biennium. The FbD program was started on limited staffing and has grown as the program has matured and staffing needs are better identified. Please note, these FTEs support both this new appropriation and other related reappropriation projects under this capital program.

40000387 2021-23 Chehalis Basin Strategy

Consistent with approved allotments for the 2019-21 Biennium, Ecology is requesting a total base minimum of 15.3 FTEs to support the Chehalis Basin Strategy in 2021-23. A portion of these FTEs (6.6 direct FTEs) will staff the OCB, and provide financial accountability and project management, technical assistance, and stakeholder coordination on individual projects. Ecology had requested funding to staff the OCB in 2019-21 Operating Budget, but legislative direction was to fund the OCB staff out of the capital project appropriation. The remaining direct FTEs will provide technical support and manage flood-damage reduction and floodplain management-related projects in the Basin.

Pending Board review and approval of the final project list for 2021-23, additional FTEs may be required to provide project and financial oversight of contracts and grants to ensure compliance with state law and Ecology policies, as well as increased technical assistance to local governments and landowners. FTE requirements for Ecology staff will vary each biennium, depending on the status the Strategy and specific steps planned for that time period. Please note, these FTEs would support both this new appropriation, as well as the related reappropriation projects under this capital program.

40000338 2021-23 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 project in the 2019-21 Biennium. Staff are required to manage and coordinate tire removal efforts, and provide technical support for prevention and enforcement.

40000303 2021-23 ASARCO Everett Smelter Plume Cleanup

This request requires a total of 4.03 FTEs to continue supporting the ASARCO remediation activities in Everett as part of Ecology's ten-year cleanup plan with current staff levels. The cleanup plans for the Everett Smelter, 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. No change in FTE level from 2019-21 biennium.

30000670 ASARCO Cleanup (Reappropriation)

This request requires a total of 10.35 FTEs to continue supporting the ASARCO remediation activities in Tacoma as part of the cleanup plans with current staff levels. Please note, these FTEs support both this reappropriation and other related reappropriation and new appropriation projects.

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Capital FTE Summary

2021-23 Biennium

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Narrative

40000378 2021-23 Healthy Housing Remediation Program

This request requires a total of 1.15 FTEs to support the Healthy Housing Remediation Program. Ecology does not currently have any staff dedicated to supporting the Healthy Housing Remediation Program and other affordable housing projects. As more affordable housing projects are funded and the associated work ramps up, Ecology will need additional capacity to meet the demand for technical assistance and formal oversight of the required cleanup actions. Please note, this FTE would support both this new appropriation, as well as other related reappropriation projects under this capital program.

40000304 2021-23 Remedial Action Grant Program

This request will require a total of 4.03 FTEs dedicated to grant management, cash management, and capital budget coordination for Ecology. This is consistent with staffing level for the 2019-21 biennium. The RAG program administers approximately 90 grants. The grant managers are responsible for grant writing, invoice review and approval, and grant status reporting. 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 agency-wide projects. This includes their input and review of policy documents and helping manage Ecology's grant and loan system. Please note, these FTEs support both this new appropriation and other related reappropriation projects under this capital program.

40000336 2021-23 Stormwater Financial Assistance Program

Ecology requires a total of 19.02 FTEs to support ongoing management of 246 active grants from prior biennia SFAP funding and an estimated 60-70 new SFAP grants in 2021-23. Please note, these FTEs support both this new appropriation and other related reappropriation projects under this capital program. SFAP FTEs that manage, oversee, and administer the expanded SFAP program and projects include:

- Stormwater experts that manage the Stormwater Financial Assistance Program to ensure the highest priority projects will be funded.
- Engineers that review project proposals and design documents to ensure appropriate technology application and outcomes.
- Project managers that provide direct project oversight, technical assistance, and outcomes management.
- Financial managers that oversee agreement development, funding conditions, and quality assurance and control of reimbursements that assure fiscal accountability. These staff also perform tracking and reporting.

40000396 2021-23 Puget Sound Nutrient Reduction Grant Program

This new grant program will require 1.15 FTE to manage and oversee up to 67 pass through grants.

40000375 2021-23 Freshwater Aquatic Invasive Plants Grant Program

This project requires 1.96 FTE to oversee and manage the grant process and provide technical assistance, as well as to conduct inventories of aquatic plants species statewide and perform follow-up inventories of Ecology grant-funded aquatic weed control projects to determine effectiveness.

40000376 2021-23 Freshwater Algae Grant Program

This project requires 0.46 FTE to oversee and manage the grant process and provide technical assistance.

40000422 2021-23 Yakima River Basin Water Supply

This project requires 3.45 FTEs to provide project management, scientific expertise, and contract oversight and support to implement Plan projects. This is an increase of 1.15 FTE (direct and overhead) above the 2019-21 biennium that currently supports this capital project and is necessary due to overall project complexity and accelerated implementation schedule. Ecology's Office of Columbia River (OCR) manages both Columbia River and Yakima River Integrated Plan projects. OCR anticipates implementing some very large-scale projects (constructing storage) and numerous small-scale habitat projects in 2021-23. Please note, these FTEs support both this new appropriation and other related reappropriation projects under this capital program.

461 - Department of Ecology
Capital FTE Summary
2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS004

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Narrative

40000391 2021-23 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 2019-21 Biennium.

40000399 2021-23 Columbia River Water Supply Development Program

This project requires a total of 5.60 FTEs to provide project oversight and management, technical assistance, and stakeholder coordination to individual projects. This is the same staffing level as the 2019-21 Biennium. Please note, these FTEs support both this new appropriation and other related reappropriation projects under this capital program.

Capital FTEs by Project for 2021-23 Biennium Budget

September 3, 2020

Purpose: Identify Ecology's requested FTEs for the 2021-23 Biennium Budget. Total FTEs represent a biennial average of FY 22 and FY 23.

Project Title	Project #	Program	2019-21 FTEs	2021-23 FTEs	Account	Explanation
Lacey HQ Parking Garage Preservation	40000384	Admin	NA	0.58	057-1	Ecology will require a total of 1.15 FTE in FY 2022 (0.58 FTE for 2021-23 biennium) for staff to oversee project development, bid/construction documents, and construction management of this project. The deterioration of the parking garage over the last decade has been quite significant, and the repairs to the facility are expected to be complex, requiring an additional FTE to oversee the project. Current facility staff do not have capacity to do this work.
2021-23 Reducing Diesel GHG & Toxic Emissions	40000390	AQP	1.15	1.15	23N-1	This request requires a total of 1.15 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.
2021-23 Reducing Toxic Wood Stove Emissions	40000371	AQP	0.29	0.29	23N-1	This request requires a total of 0.29 FTE. This position implements the grant program, evaluating client needs and solutions, soliciting applications, and providing technical assistance. This is the same level of staffing for the 2019-21 Biennium. Please note, this FTE would support both this new appropriation, as well as any related reappropriation project under this capital program.
VW Settlement Funded Projects	40000018 Reappropriation	AQP	5.75	6.84	001-7	This project requires a total of 6.84 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, 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. 2021-23 estimates are 1.09 FTEs higher than 2019-21 estimates to reflect ongoing agreement maintenance and oversight for the large number of multi-year agreements while the program is still developing new grant opportunities.

Project Title	Project #	Program	2019-21 FTEs	2021-23 FTEs	Account	Explanation
Reduce Air Pollution from Transit/Sch.	40000109 Reapprop	AQP	0.69	0.69	216-1	This project requires a total of 0.69 FTE. These staff will administer the program, including developing and soliciting applications, drafting grant guidelines, contracting with grant recipients, contracting with technology and service vendors, providing technical assistance, processing vendor/recipient payments, agreement maintenance and oversight, and closing grant awards. This level of FTE is consistent with the 2019-21 biennium.
2021-23 Product Replacement Program	40000436	HWTR	1.15	1.15	23N-1	Ecology requires 1.15 FTEs to provide administrative oversight and management of the Product Replacement Program. This is consistent with the staffing level for this program in the 2019-21 Biennium.
Mercury Switch Removal	40000128 Reapprop	HWTR	0.29	0.14	23N-1	This request requires a total of 0.14 FTE to provide outreach and technical assistance to wrecking and recycling facilities participating in the Automotive Mercury Switch Removal Program. This requires 0.29 FTE in FY 2022 (none in FY 2023), consistent with the level of FTE supporting this work in the 2019-21 Biennium.
2021-23 Coastal Wetlands Federal Funds	40000388	SEA	0.52	0.52	001-2	This project requires a total of 0.52 FTE. This is a similar level of FTEs currently supporting this capital project in the 2019-21 biennium. An Environmental Planner 3 (0.45 FTE) will manage the grant program and liaison with federal agencies and applicants. This position will administer the federal grants, manage the project contracts to disburse federal funds via the grant program, manage the grant application process, provide liaison with the federal funding agencies, and work with applicants and the federal agencies on grant applications. Awarded funds will provide \$15,000 - \$20,000 for grant management and administration over the life of each award.
2021-23 Floodplains by Design	40000389	SEA	6.55	8.00	057-1	This project requires a total of 8.0 FTEs. Floodplains by Design program staff provide project oversight, performance and financial management, outreach to local floodplain management agencies, and coordination with our partners at the Puget Sound Partnership and The Nature Conservancy. They advise local project sponsors on the expectations of the program and project development, manage active projects including site visits, coordinate with other grant programs and Ecology's Coordinated Strategic Initiative, and assist with Ecology policy and budget development. This is a slightly higher level of staff over the total that managed the program in the 2019-21 Biennium. The FbD program was started on limited staffing and has grown as the program has matured and staffing needs are better identified. Please note, these FTEs support both this new appropriation and other related reappropriation projects under this capital program.

Project Title	Project #	Program	2019-21 FTEs	2021-23 FTEs	Account	Explanation
2021-23 Chehalis Basin Strategy	40000387	SEA	15.30	15.30	057-1	Consistent with approved allotments for the 2019-21 Biennium, Ecology is requesting a total base minimum of 15.3 FTEs to support the Chehalis Basin Strategy in 2021-23. A portion of these FTEs (6.6 direct FTEs) will staff the OCB, and provide financial accountability and project management, technical assistance, and stakeholder coordination on individual projects. Ecology had requested funding to staff the OCB in 2019-21 Operating Budget, but legislative direction was to fund the OCB staff out of the capital project appropriation. The remaining direct FTEs will provided technical support and manage flood-damage reduction and floodplain management-related projects in the Basin. Pending Board review and approval of the final project list for 2021-23, additional FTEs may be required to provide project and financial oversight of contracts and grants to ensure compliance with state law and Ecology policies, as well as increased technical assistance to local governments and landowners. FTE requirements for Ecology staff will vary each biennium, depending on the status the Strategy and specific steps planned for that time period. Please note, these FTEs would support both this new appropriation, as well as the related reappropriation projects under this capital program.
2021-23 Waste Tire Pile Cleanup and Prevention	40000338	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 project in the 2019-21 Biennium. Staff are required to manage and coordinate tire removal efforts, and provide technical support for prevention and enforcement.
2021-23 ASARCO Everett Smelter Plume Cleanup	40000303	TCP	4.03	4.03	23N-1	This request requires a total of 4.03 FTEs to continue supporting the ASARCO remediation activities in Everett as part of Ecology's ten-year cleanup plan with current staff levels. The cleanup plans for the Everett Smelter, 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. No change in FTE level from 2019-21 biennium.
ASARCO Cleanup	30000670 Reapprop	TCP	10.35	10.35	15H-1	This request requires a total of 10.35 FTEs to continue supporting the ASARCO remediation activities in Tacoma as part of the cleanup plans with current staff levels. Please note, these FTEs support both this reappropriation and other related reappropriation and new appropriation projects.
2021-23 Healthy Housing Remediation Program	40000378	TCP	0.00	1.15	057-1	This request requires a total of 1.15 FTEs to support the Healthy Housing Remediation Program. Ecology does not currently have any staff dedicated to supporting the Healthy Housing Remediation Program and other affordable housing projects. As more affordable housing projects are funded and the associated work ramps up, Ecology will need additional capacity to meet the demand for technical assistance and formal oversight of the required cleanup actions. Please note, this FTE would support both this new appropriation, as well as other related reappropriation projects under this capital program.

Project Title	Project #	Program	2019-21 FTEs	2021-23 FTEs	Account	Explanation
2021-23 Remedial Action Grant Program	40000304	TCP	4.03	4.03	23N-1	This request will require a total of 4.03 FTEs dedicated to grant management, cash management, and capital budget coordination for Ecology. This is consistent with staffing level for the 2019-21 biennium. The RAG program administers approximately 90 grants. The grant managers are responsible for grant writing, invoice review and approval, and grant status reporting. 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 agency-wide projects. This includes their input and review of policy documents and helping manage Ecology's grant and loan system. Please note, these FTEs support both this new appropriation and other related reappropriation projects under this capital program.
2021-23 Stormwater Financial Assistance Program	40000336	WQP	18.69	19.02	23R-1	Ecology requires a total of 19.02 FTEs to support ongoing management of 246 active grants from prior biennia SFAP funding and an estimated 60-70 new SFAP grants in 2021-23. Please note, these FTEs support both this new appropriation and other related reappropriation projects under this capital program. SFAP FTEs that manage, oversee, and administer the expanded SFAP program and projects include: <ul style="list-style-type: none"> • Stormwater experts that manage the Stormwater Financial Assistance Program to ensure the highest priority projects will be funded. • Engineers that review project proposals and design documents to ensure appropriate technology application and outcomes. • Project managers that provide direct project oversight, technical assistance, and outcomes management. • Financial managers that oversee agreement development, funding conditions, and quality assurance and control of reimbursements that assure fiscal accountability. These staff also perform tracking and reporting.
2021-23 Puget Sound Nutrient Reduction Grant	40000396	WQP	0.00	1.15	057-1	This new grant program will require 1.15 FTE to manage and oversee up to 67 pass through grants.
2021-23 Freshwater Aquatic Invasive Plants Grant Program	40000375	WQP	1.96	1.96	222-1	This project requires 1.96 FTE to oversee and manage the grant process and provide technical assistance, as well as to conduct inventories of aquatic plants species statewide and perform follow-up inventories of Ecology grant-funded aquatic weed control projects to determine effectiveness.
2021-23 Freshwater Algae Grant Program	40000376	WQP	0.46	0.46	10A-1	This project requires 0.46 FTE to oversee and manage the grant process and provide technical assistance.

Project Title	Project #	Program	2019-21 FTEs	2021-23 FTEs	Account	Explanation
2021-23 Yakima River Basin Water Supply	40000422	WRP	2.19	3.45	057-1	This project requires 3.45 FTEs to provide project management, scientific expertise, and contract oversight and support to implement Plan projects. This is an increase of 1.15 FTE (direct and overhead) above the 2019-21 biennium that currently supports this capital project and is necessary due to overall project complexity and accelerated implementation schedule. Ecology's Office of Columbia River (OCR) manages both Columbia River and Yakima River Integrated Plan projects. OCR anticipates implementing some very large-scale projects (constructing storage) and numerous small-scale habitat projects in 2021-23. Please note, these FTEs support both this new appropriation and other related reappropriation projects under this capital program.
2021-23 Sunnyside Valley Irrigation District Water Conservation	40000391	WRP	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 2019-21 Biennium.
2021-23 Columbia River Water Supply Development Program	40000399	WRP	5.60	5.60	057-1	This project requires a total of 5.60 FTEs to provide project oversight and management, technical assistance, and stakeholder coordination to individual projects. This is the same staffing level as the 2019-21 Biennium. Please note, these FTEs support both this new appropriation and other related reappropriation projects under this capital program.
TOTAL FTEs			80.4	87.2		

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Department of Ecology

2021-23 Capital Budget Requests Supporting the Puget Sound Action Agenda

September 4, 2020

Project Requests	Sub-strategy and Near Term Action (NTA)	Ongoing Program	Orca Task Force Recommendation	2018 Regional Priority Approach	Federal Leveraging	Local Leveraging	Puget Sound Dollars	Total Request Dollars
1. 40000337 2021-23 Water Pollution Control Revolving Program		OGP_ECY38: Water Quality - Provide Financial Assistance	1, 31, 34	CHIN2.5, CHIN2.6 CHIN7.1, TIF1 TIF2, LDC 3 BIB1, BIB2 BIB3, BIB5 FUND1.2, ORCA1	\$75 million of this request is for the federal capitalization grant for the CWSRF loan program to help local governments with high-priority water quality projects throughout Washington.		\$ 180,000,000	\$ 300,000,000
2. 40000360 2021-23 Protect Investments in Cleanup Remedies	9.1: Implement and strengthen authorities and programs to prevent toxic chemicals from entering the Puget Sound ecosystem 10.3: Fix problems caused by existing development. Sub-strategy 10.4: Control sources of pollutants 21.2: Clean up contaminated sites within and near Puget Sound	OGP_ECY20: Toxic Cleanup Program - Cleaning up priority bays in Puget Sound	31	TIF 1.1 TIF 3.1			\$ 8,289,000	\$ 11,093,000
3. 40000359 2021-23 Centennial Clean Water Program		OGP_ECY38: Water Quality - Provide Financial Assistance	1, 34	CHIN2.5, CHIN2.6 CHIN7.1, TIF1 TIF2, LDC 3 BIB1, BIB2 BIB3, BIB5 FUND1.2, ORCA1	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. \$7.4 million in federal funds are awarded each biennium.	Nonpoint source pollution control grants of \$250,000 or less may have any combination of cash, interlocal, or other in-kind match. Grants of more than \$250,000 and up to the maximum amount of \$500,000 must supply a cash-only match.	\$ 48,000,000	\$ 80,000,000
4. 40000304 2021-23 Remedial Action Grant Program	9.1: Implement and strengthen authorities and programs to prevent toxic chemicals from entering the Puget Sound ecosystem 10.3: Fix problems caused by existing development. Sub-strategy 10.4: Control sources of pollutants 21.2: Clean up contaminated sites within and near Puget Sound	OGP_ECY23: Toxic Cleanup Program - Remedial Action Grant Program	31	TIF 1.1 TIF 3.1		Local governments provide a local match for a portion of project costs. Usually, 50% for Oversight Remedial Action Grants (majority of the budget request).	\$ 39,584,000	\$ 61,800,000
5. 40000389 2021-23 Floodplains by Design	5.1: Improve data and information to accelerate floodplain protection, restoration, and flood hazard management 5.2: Align policies, regulations, planning, and agency coordination to support multi-benefit floodplain management, incorporating climate change forecasts 5.3: Protect and maintain intact and functional floodplains 5.4: Implement and maintain priority floodplain restoration projects	OGP_ECY13: Shorelands - Floodplains by Design	5	FP1	FbD grants can provide state match to federal grant sources.	FbD grants can leverage local sources including Flood Control District Authority	\$ 65,800,000	\$ 70,000,000

Department of Ecology

2021-23 Capital Budget Requests Supporting the Puget Sound Action Agenda

September 4, 2020

Project Requests	Sub-strategy and Near Term Action (NTA)	Ongoing Program	Orca Task Force Recommendation	2018 Regional Priority Approach	Federal Leveraging	Local Leveraging	Puget Sound Dollars	Total Request Dollars
6. 40000336 2021-23 Stormwater Financial Assistance Program	10.3: Fix Problems Caused by Existing Development by providing funding to cities and counties to retrofit existing development through the Stormwater Financial Assistance Program's competitive grant program	OGP_ECY38: Water Quality - Provide Financial Assistance	31, 34	CHIN2.5, CHIN2.6 CHIN7.1, TIF1 TIF2, LDC 3 BIB1, BIB2 BIB5, FUND1.2 ORCA1		Match for SFAP-funded projects is 25 percent (15% for SFAP hardship communities) and it must be a cash match.	\$ 31,620,000	\$ 52,700,000
7. 40000396 2021-23 Puget Sound Nutrient Reduction Grant Program		OGP_ECY38: Water Quality - Provide Financial Assistance	34, 41	CHIN2.5, CHIN7.1 TIF1, FUND1.2 ORCA1		Ecology will be providing partial funding and grant recipients will need to provide the remaining funding to fully fund project outcomes.	\$ 9,000,000	\$ 9,000,000
8. 40000378 2021-23 Healthy Housing Remediation Program	4.2: Provide infrastructure and incentives to accommodate new and redevelopment in urban growth areas 4.3: Enhance and expand the benefits of living in compact communities 9.1: Implement and strengthen authorities and programs to prevent toxic chemicals from entering the Puget Sound ecosystem 10.3: Fix problems caused by existing development. Sub-strategy 10.4: Control sources of pollutants 21.2: Clean up contaminated sites within and near Puget Sound		31	TIF 1.1 TIF 3.1			\$ 10,161,000	\$ 10,161,000
9. 40000346 2021-23 Clean Up Toxic Sites – Puget Sound	9.1: Implement and strengthen authorities and programs to prevent toxic chemicals from entering the Puget Sound ecosystem 10.3: Fix problems caused by existing development 10.4: Control sources of pollutants 21.2: Clean up contaminated sites within and near Puget Sound	OGP_ECY20: Toxic Cleanup Program - Cleaning up priority bays in Puget Sound	31	TIF 1.1 TIF 3.1			\$ 4,600,000	\$ 5,808,000
10. 40000339 2021-23 State Match Water Pollution Control Revolving Program		OGP_ECY38: Water Quality - Provide Financial Assistance	1, 31, 34	CHIN2.5, CHIN2.6 CHIN7.1, TIF1 TIF2, LDC 3 BIB1, BIB2 BIB3, BIB5 FUND1.2 ORCA1	This request is for continuing state match support of the federal capitalization grant for the CWSRF loan program to help local governments with high-priority water quality projects throughout Washington.		\$ 9,000,000	\$ 15,000,000

Department of Ecology

2021-23 Capital Budget Requests Supporting the Puget Sound Action Agenda

September 4, 2020

Project Requests	Sub-strategy and Near Term Action (NTA)	Ongoing Program	Orca Task Force Recommendation	2018 Regional Priority Approach	Federal Leveraging	Local Leveraging	Puget Sound Dollars	Total Request Dollars
11. 40000390 2021-23 Reducing Diesel GHG & Toxic Emissions	9.1: Implement and strengthen authorities and programs to prevent toxic chemicals from entering the Puget Sound ecosystem 9.3: Adopt and implement plans and control strategies to reduce pollutant releases into Puget Sound from air emissions by reducing or eliminating toxic diesel emissions, which is transported into Puget Sound through air deposition and stormwater runoff	OGP_ECY32: Air - Reducing Toxic Diesel Emissions	46	TIF 1.1 TIF 4.1	Up to \$1.5 million of this project will provide matching funds for federal DERA projects primarily in disproportionately impacted communities. This level of match should provide an additional \$2.3 million in federal funds.	Up to \$10 million will be available for school bus electrification, leveraging an additional \$5.4 million in local matching funds. Up to \$3.5 million will be available to replace diesel school buses with low emission buses, leveraging an additional \$8.2 million in local matching funds.	\$ 9,000,000	\$ 15,000,000
12. 40000371 2021-23 Reducing Toxic Wood Stove Emissions	9.1: Implement and strengthen authorities and programs to prevent toxic chemicals from entering the Puget Sound ecosystem. 9.3: Adopt and implement plans and control strategies to reduce pollutant releases into Puget Sound from air emissions by reducing or eliminating toxic diesel emissions, which is transported into Puget Sound through air deposition and stormwater runoff.	OGP_ECY33: Air - Reducing Toxic Woodstove Emissions		TIF 1.1 TIF 4.1		Recipient match is not currently a requirement of the woodsmoke reduction grant. However, leveraging/match is a part of the established scoring criteria for this competitive grant.	\$ 2,400,000	\$ 4,000,000
13. 40000303 2021-23 ASARCO Everett Smelter Plume Cleanup	9.1: Implement and strengthen authorities and programs to prevent toxic chemicals from entering the Puget Sound ecosystem 10.3: Fix problems caused by existing development 10.4: Control sources of pollutants 21.2: Clean up contaminated sites within and near Puget Sound	OGP_ECY21: Toxic Cleanup Program - Tacoma Smelter Plume	31	TIF 1.1 TIF 3.1			\$ 10,814,000	\$ 10,814,000
14. 40000386 2021-23 ASARCO Tacoma Smelter Plume Cleanup	9.1: Implement and strengthen authorities and programs to prevent toxic chemicals from entering the Puget Sound ecosystem 10.3: Fix problems caused by existing development 21.2: Clean up contaminated sites within and near Puget Sound	OGP_ECY21: Toxic Cleanup Program - Tacoma Smelter Plume	31	TIF 1.1 TIF 3.1			\$ 3,000,000	\$ 3,000,000
15. 40000436 2021-23 Product Replacement Program	9.1: Implement and strengthen authorities and programs to prevent toxic chemicals from entering the Puget Sound ecosystem NTAs: 2018-0465, 2018-0470, 2018-0473	OGP_ECY3: Local Source Control Partnership in Puget Sound	29, 30, 31, 33	CHIN4.8 TIF1.1 ORCA1.1			\$ 5,070,000	\$ 6,500,000

Department of Ecology 2021-23 Capital Budget Requests Supporting the Puget Sound Action Agenda

September 4, 2020

Project Requests	Sub-strategy and Near Term Action (NTA)	Ongoing Program	Orca Task Force Recommendation	2018 Regional Priority Approach	Federal Leveraging	Local Leveraging	Puget Sound Dollars	Total Request Dollars
16. 40000388 2021-23 Coastal Wetlands Federal Funds	2.1: Protect and conserve ecologically important lands at risk of conversion 16.2: permanently protect priority nearshore physical and ecological processes and habitat including shorelines, migratory corridors, and vegetation in sensitive areas such as eelgrass beds and bluff-backed beaches by acquiring and protecting sensitive nearshore habitats and protecting Puget Sound shoreline processes and habitats			CHIN1, CHIN7 EST1, LDC3	Grants from USFWS. Can be used to leverage other federal grant sources	Grants are matched with funds from local conservation funds, and other state agencies and tribes.	\$ 4,800,000	\$ 8,000,000
Total Capital Request in Support of the Puget Sound Action Agenda							\$ 441,138,000	



DEPARTMENT OF
ECOLOGY
State of Washington

2021-23 Biennium

Maintenance Backlog Reduction Plan

July 31, 2020

This 2021-23 Maintenance Backlog Reduction Plan (2021-23 Plan) meets the requirements of the Office of Financial Management's (OFM) 2021-23 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
- Fire Protection
- Security
- Landscaping
- Carpet Upkeep
- Painting & Finishes
- Electrical Maintenance
- Card Access
- Heating, Ventilation & Air Conditioning (HVAC)

Costs for these activities vary by facility. For leased facilities, some of these activities may be addressed by the terms of the lease.

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

Normal Maintenance Activities

Following is a sample of normal maintenance activities funded through current Operating resources:

Equipment	Normal Maintenance Activity	Schedule
Trash Bins	Empty	Nightly
Floor Coverings	Vacuum	Three times/week
Office Surfaces	Dust	Weekly
Restrooms	Clean	Nightly
Landscaping	Maintenance	Weekly
Ceiling Vents	Clean	Monthly
Generators	Inspection	Monthly
Air Conditioning Units	Inspection	Quarterly
Air Conditioning Units	Clean	Annually
HVAC Water Pumps	Inspection	Quarterly
HVAC Exhaust Fans	Visual Inspection	Quarterly
HVAC Supply Fans	Inspection	Bi-annually
Kitchen HVAC	Inspection	Bi-annually
Electric Heat Duct Coils	Inspection	Annually
Electric Unit Heaters	Inspection	Annually
Uninterruptible Power Supply (UPS) for IT Servers	Testing	Annually
Water Heaters	Testing	Quarterly
Water Heaters	Inspection	Annually
Stormwater Pump	Inspection	Annually

Prioritization

Ecology uses the following criteria to prioritize facility maintenance and preservation projects:

- Need to address an employee health or safety situation.
- Urgency of a deferred project (prevents or mitigates catastrophic losses).
- Return on investment in projects that will reduce costs (e.g., energy savings, risk reductions, and productivity gains).
- Timing of cyclical maintenance projects (major maintenance that must be completed to maintain functional and safe facilities).
- Effect on a facility and Ecology's budget in the short and long term.
- Ability to combine projects to save money and limit disruption.

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 Operating 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 Capital Budget requests submitted each biennium include projects to address specific facility deficiencies that contribute to Ecology's deferred maintenance backlog.

Facility Assessments

Ecology conducts comprehensive maintenance using funds from the Operating Budget. This budget allows Ecology to provide safe, efficient, and well-maintained facilities for Ecology staff and the public.

Ecology's 2021-23 Biennium facility-related Capital Budget requests and current conditions of Ecology-owned facilities are summarized below:

Ecology's Lacey Headquarters (HQ)

Ecology's Lacey Headquarters is 27 years old, and has been generally kept in good condition. As the building ages, regular maintenance and potentially significant capital repairs will be required to preserve the facility's condition and ensure building operations are safe and efficient. Capital facility-related investments being requested for the 2021-23 Biennium Budget include:

- *Parking Garage Preservation (\$2,500,000)* - The parking garage has undergone regular maintenance and minor repairs since being constructed in 1993. This project is required to preserve the condition of the parking garage and ensure that it can safely accommodate parking for employee and agency fleet vehicles. Deteriorated surfaces regularly drop pieces of concrete on vehicles and parking surfaces, and substantial leakage through lower levels is causing cracking of structural members. Exposed wire mesh on driving and parking surfaces puts agency and employee vehicles at risk of damage. If the garage becomes structurally unsound, Ecology would have to find parking for about 500 vehicles.
- *Traction Control Elevator Restoration:* The primary set of three traction elevators located on the east side of Ecology's Lacey HQ are in need of restoration. These elevators are the principal bank of passenger elevators used when staff enter and exit the building and are critical to efficient operations as well as use during emergencies by the Fire Department as the only elevators on emergency generator power. These elevators work in tandem and are currently using an outdated control and power system and need to be upgraded to a modern power and solid state control system. In addition, upgrades to the system will be more energy efficient and reduce liability to the agency. Ecology's Lacey HQ has a total of 7 elevators, the additional 4 elevators are hydraulically controlled and are due for upgrades and restoration in a future biennium.

These investments will protect Ecology's HQ from needing costlier repairs down the road and improve the safety and efficiency of the building.

Eastern Regional Office (ERO)

Ecology's Eastern Regional Office (ERO) facility in Spokane is a state-owned office building that has been occupied since the 1980s. The facility has been well maintained, 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. The second phase of a capital project to repair the parking lot, develop storm water infrastructure, and build an annex facility is anticipated to be complete by the end of the 2019-21 biennium.

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 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 bunk house to accommodate research scientists, volunteers, and meeting participants; and a boat and equipment building. No major projects are planned for the 2021-23 biennium, although normal maintenance will be required to keep the facility in good condition.

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. Some operation and maintenance activities are conducted under the direction of Ecology through agreements with local public entities like the Okanogan-Tonasket Irrigation District. In 2017, Ecology completed maintenance and upgrades on electrical equipment in the control facility. Ecology has contracted with a firm to do a full assessment of the dam and control facility that will result in operations and maintenance recommendations. Ecology expects those recommendations by December 31, 2020, which will likely result in budget requests necessary to maintain the safety and integrity of the dam in the near future.

Projects and priorities that have changed since the 2019-21 Maintenance Backlog Reduction Plan (2019-21 Plan) include the following:

- Eastern Regional Office – The building's main electrical service equipment is 46 years old and chronically failing. One to two of the main service breakers within the service equipment have been failing each year and are no longer manufactured. We have only been able to source used replacement breakers through eBay and one used equipment reseller. The reliability of these used breakers are a major concern as is the availability of specific amperage breakers we need, together with excessive costs. Critical breakers supplying the elevator systems and portions

of other electrical systems within the building failed through the course of 2019 and staff found that the parts for the electrical circuitry are no longer being manufactured. Ecology is anticipating a capital budget request in the 2023-25 biennium and has added this system to our Facility Preservation Plan.

- Zosel Dam & Control Facility: As part of the 2019-21 budget, Ecology was funded to do a full assessment of the dam and control facility. This will inform Ecology and may result in budget requests in future biennium.
- Ecology's Facility Section will be conducting a comprehensive Facility Evaluation during the 2021-23 biennium. This will be a multiyear review of our facilities and current preservation plan and may result in changes to our Facility Preservation Plan. With this in mind and the long-term effects of COVID-19, Ecology has moved all non-essential projects out one biennium.
- The 2019-21 plan had Building Envelope Repairs scheduled for the 21-23 biennium. The Ecology Facility Section has determined this can be postponed an additional biennium and is now scheduled for the 23-25 biennium.
- The 2019-21 Plan included Elevator upgrades/renovation. This has been split into two phases. Phase 1 will be in the 2021-23 biennium (\$1,500,000) and Phase 2 will be in the 2023-25 biennium (\$1,500,000). Phase 1 includes our primary traction elevators at our Lacey HQ lobby. Phase 2 includes the 4 hydraulically controlled elevators located throughout Ecology's Lacey HQ.
- The 2019-21 Plan included \$225,000 for "cafeteria repair, finishes, and furnishings" at Ecology's HQ to be completed in 2021-23. Ecology's long-standing cafeteria vendor canceled their contract at Ecology's HQ and Ecology has decided to use internal funds to complete this project prior to a new vendor moving in. We anticipate this project will be completed by the end of 2020.
- Ecology has identified installation of additional electric vehicle (EV) charging stations statewide in the 2021-23 and 2023-25 biennium. Ecology is working to transition its fleet to electric vehicles to reduce transportation-related emissions and in response to Governor Inslee's Electric Vehicle Initiative and Executive Order 18-01 (State Efficiency & Environmental Performance).
- The following projects are planned to be completed in the 2019-21 biennium and are being removed from the Facility Preservation Plan. Note: Due to COVID-19 and the unknown effects on construction timelines and State budget, some of these projects may need to be delayed and added back onto the Facility Preservation Plan.
 - HQ - Roof Replacement
 - HQ - Facility preservation projects – HVAC
 - HQ - Cafeteria updates to end-of-life materials, hardware, appliances, flooring, and infrastructure
 - ERO – Improvements and Stormwater treatment
 - Statewide - Ecology Security Upgrades

Facility Preservation Plan

Ecology has identified that 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

2021-23 Biennium				
Facility	Project	Estimated Cost	Fund Source	Priority
Lacey HQ	Parking garage preservation	\$2,500,000	Capital Budget	1
	Phase 1: Elevator upgrades/renovation	\$1,500,000	Capital Budget	1
Statewide	Ecology Facilities Evaluation	\$0	Internal	N/A
2023-25 Biennium				
Facility	Project	Estimated Cost	Fund Source	Priority
ERO	Facility Electrical System		TBD	1
Lacey HQ	Convert data center to office space	\$200,000	TBD	TBD
	Phase 1: System furniture replacement	\$2,750,000	TBD	TBD
	Phase 2: Elevator upgrades/renovation	\$1,500,000	TBD	TBD
	Electrical system renovation (transformers)	\$800,000	TBD	TBD
	Atrium preservation, painting, and finishes	\$800,000	TBD	TBD
	Upgrade service areas in open office environment	\$600,000	TBD	TBD
	Building envelope repairs	\$1,000,000	TBD	TBD
Statewide	EV charging stations	TBD	TBD	TBD
2025-27 Biennium				
Facility	Project	Estimated Cost	Fund Source	Priority
Lacey HQ	Phase2: System furniture replacement	\$2,750,000	TBD	TBD
	Data switch	\$1,000,000	TBD	TBD
	Replace floor coverings	\$3,000,000	TBD	TBD
Statewide	EV charging stations	TBD	TBD	TBD
2027-29 Biennium				
Facility	Project	Estimated Cost	Fund Source	Priority
ERO	Elevator renovation	\$70,000	TBD	TBD

2029-31 Biennium				
Facility	Project	Estimated Cost	Fund Source	Priority
TBD-- Ecology will re-assess plans for 2027-29 in Fiscal Year 2019				

The plan reflects current priorities. These may change as Ecology identifies new projects or changes priorities of existing projects.

**Department of Ecology
2021-2031 Capital Budget**

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461 - Department of Ecology

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 10/26/2020 8:11AM

Project Number: 40000384

Project Title: Lacey HQ Parking Garage Preservation

Description

Starting Fiscal Year: 2022

Project Class: Preservation

Agency Priority: 16

Project Summary

Ecology's Lacey headquarters building and the connected parking garage are over 27 years old and have a current value of nearly \$100 million. The parking garage is in serious need of extensive restoration. The garage has had water penetrating the upper decks for nearly a decade, and while some repair work has been accomplished, water continues to degrade the garage's superstructure and damage its integrity. If the City of Lacey deems the parking garage structure unsafe, it could be closed. Completing this project will preserve the condition of the Lacey HQ facility, ensure the health and safety of employees and visitors, and protect the building from needing more costly repairs down the road. (State Building Construction Account)

Project Description

What is the proposed project?

Ecology is requesting \$3,797,000 for parking garage restoration. The parking garage at Ecology's Lacey headquarters (HQ) building was constructed in 1993. While it has undergone regular maintenance and minor repairs over the years, major restoration is now required to preserve it and prevent further deterioration which could result in traumatic failure of the structure. Previous repairs to the garage exposed evidence that confirms ongoing water penetration from the upper decks. The water penetration is compromising the internal metal components of the parking structure and will at some point, cause unsafe conditions resulting in closing of the garage. Water intrusion has accelerated the degradation and concrete chunks and debris have fallen on vehicles parked on lower levels – running the risk of personal injury should someone be walking or driving underneath when this occurs.

Engineering consultants Wetherholt and Associates identified problems in their 2013 Parking Deck Condition Evaluation. Specifically, these issues included deterioration of concrete surfaces, exposed wire mesh on driving and parking surfaces, degraded joints, and cracking of concrete slabs, columns, corbels and beams. Since that consultation, Ecology facility staff have seen significant additional degradation.

In the spring of 2020, Ecology contracted with firms to conduct updated structural, engineering, and condition evaluations, and provide updated recommendations and cost estimates for the garage. These inspections confirmed that the parking garage is still safe to use, but also that Ecology should not delay any longer in proceeding with the identified repairs, restoration, and protective measures needed. Delays may lead to unsafe conditions and may require the parking garage to be closed.

The recent evaluations provide specific recommendations and cost estimates that were used as a basis for this request (see attached assessments and quotes). The restoration project is expected to take six months to complete and would result in the preservation of the parking garage and avoid further degradation. If this project is delayed, further deterioration is likely and repairs would be more costly.

This project would repair all of the accessible damage caused by the water intrusion and the normal wear and tear caused by 27 years of use. All sealant joints throughout the garage will be removed and replaced and all driving and parking surfaces will be cleaned and sealed. The exposed upper deck of the parking garage will be repaired, re-surfaced, and sealed and all structural elements of the parking garage will be repaired as needed. Ecology will also address all safety concerns, including damage to the fire suppression system in the garage caused by the water penetration.

What opportunity or problem is driving this request?

The 27-year old parking structure at the Lacey HQ facility continues to degrade. As the photos in the attached assessments demonstrate, continued deterioration of the top deck parking surface has resulted in substantial leakage through lower levels and is causing cracking of structural members. Continued leaking is weakening the structure and has caused substantial corrosion of the fire suppression system water piping. The agency had to replace piping and associated components of the fire suppression system to maintain its integrity and ensure the sprinklers remained operable. Exposed wire mesh on driving and parking surfaces puts agency and employee vehicles at risk of damage. Degraded and cracked concrete slabs, columns,

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Version: BI Biennial 2021-23 Initial

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Date Run: 10/26/2020 8:11AM

Project Number: 40000384

Project Title: Lacey HQ Parking Garage Preservation

Description

beams, and corbels indicate the garage could become structurally unsound, which would require Ecology to find parking for approximately 500 vehicles, if the City of Lacey deemed the structure unsafe.

This project is necessary to ensure the safety and structural integrity of the Lacey HQ parking garage. Completing this preservation project will reduce needs on Ecology's deferred maintenance backlog by fixing known deficiencies and preventing further deterioration, which will help to avoid more costly repairs in the future.

What are the specific benefits of this project?

This project will repair previous damage to the garage from water infiltration and 27 years of wear and tear. It will also stop the current water infiltration, halting further deterioration, and address critical needs that could cause adverse conditions, safety risks, or more expensive repairs. Preserving the condition of this structure will provide employees and Ecology's fleet with a safe, secure parking environment to support agency business operations.

The Lacey HQ facility is Ecology's headquarters and base of statewide operations, providing office space and infrastructure for more than 950 employees as well as other state and federal agency tenants. The garage provides parking for many of these employees and for 76 fleet vehicles used for business travel and field work.

This request will also provide economic benefits to the state by creating at least 13 jobs during the next two years based on Office of Financial Management estimates.

What are the effects of non-funding?

If this project is not funded, the parking garage at the Lacey HQ facility will soon become structurally unsound and unsafe to use. This would ultimately lead to the parking garage being closed. This would have negative consequences on Ecology's business operations and will compromise the safety of employees, building tenants, and visitors.

If capital funding is not provided, Ecology would have to redirect existing resources within its operating budget away from core environmental and public health work to fund these repairs. The safety concerns related to the parking garage have risen to a level that Ecology would not be able to wait any longer for capital funding. A Certificate of Participation (COP) would likely be needed to finance this project. According to OFM Capital Budget Instructions, a COP of this nature would need approval by the State Finance Committee.

Why is this the best option or alternative?

There are no feasible alternatives to this project. The specific problems identified by the Parking Deck Condition Evaluations completed in 2013 and 2020 continue to worsen as deterioration accelerates over time.

How will clients be affected and services change if this project is funded?

Funding this request will allow Ecology to continue providing services to stakeholders, including residents, businesses, and government partners.

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?

Ecology will require 1.15 total FTE (Construction Project Coordinator 3) in Fiscal Year 2022 to oversee project development, bid/construction documents, and construction management of this project. The deterioration of the parking garage over the last decade has been quite significant, and the repairs to the facility are expected to be complex, requiring an additional FTE to

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Capital Project Request

2021-23 Biennium

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Description

oversee the project. Current facility staff do not have capacity to do this work.

How does the project support the agency and statewide results?

This project is essential to implementing the goals in Ecology's strategic goal to:

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

Keeping Ecology facilities in good condition is critical to providing a safe and efficient operating base for Ecology employees and the public.

This request is a high priority on Ecology's risk register under Facility Preservation risks, and will allow Ecology to comply with Executive Order 16-06 – State Agency Enterprise Risk Management. It supports the risk management and operation support services objectives to:

- Maintain headquarters, regional, and field offices that support staff in meeting current business.
- Monitor environmental performance of facilities and engage staff in targeted improvements that contribute to the sustainability of our operations.
- Deliver shared services in an efficient and sustainable manner.

This request provides essential support to the Governor's Results Washington Goal 5: Efficient, Effective, and Accountable Government, by ensuring Ecology facilities are safe, well-maintained, and operate efficiently.

How will the other state programs or units of government be affected if this project is funded?

Funding this request will positively impact Ecology and other agencies and government entities that work closely with us. Ecology's headquarters building provides a safe and efficient operating base for Ecology environmental programs, administration in Lacey and Southwest Washington, and houses partner agencies like the Washington Conservation Commission and the federal Environmental Protection Agency. Maintaining this building in good condition will benefit these other agencies directly.

What is the impact on the state operating budget?

If this project is not funded, and Ecology is forced to finance the repairs through a Certificate of Participation (COP) in the operating budget, the state will incur additional financing costs. Additionally, dedicated environmental funds will be required to be used for garage repair instead of the core environmental and public health work. This may cause some concern with fee and taxpayers who support these operating budget fund sources.

Proviso

N/A

Location

City: Lacey

County: Thurston

Legislative District: 022

Project Type

Facility Preservation (Minor Works)

OFM

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 10/26/2020 8:11AM

Project Number: 40000384

Project Title: Lacey HQ Parking Garage Preservation

Description

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	3,797,000				3,797,000
	Total	3,797,000	0	0	0	3,797,000
Future Fiscal Periods						
		<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

STATE OF WASHINGTON
AGENCY / INSTITUTION PROJECT COST SUMMARY

Updated July 2019

Agency	Ecology	
Project Name	Lacey HQ Parking Garage Preservation	
OFM Project Number	40000384	

Contact Information

Name	James Pendowski	
Phone Number	360-407-6829	
Email	jpen461@ecy.wa.gov	

Statistics

Gross Square Feet	47,446	MACC per Square Foot	\$56
Usable Square Feet	N/A	Escalated MACC per Square Foot	\$57
Space Efficiency		A/E Fee Class	C
Construction Type	Parking structures and g	A/E Fee Percentage	10.91%
Remodel	Yes	Projected Life of Asset (Years)	25-30

Additional Project Details

Alternative Public Works Project		Art Requirement Applies	No
Inflation Rate	3.18%	Higher Ed Institution	No
Sales Tax Rate %	9.40%	Location Used for Tax Rate	Lacey
Contingency Rate	10%		
Base Month	July-21		
Project Administered By	DES		

Schedule

Predesign Start		Predesign End	
Design Start	July-21	Design End	March-22
Construction Start	March-22	Construction End	September-22
Construction Duration	6 Months		

Green cells must be filled in by user

Project Cost Estimate

Total Project	\$3,693,150	Total Project Escalated	\$3,796,568
		Rounded Escalated Total	\$3,797,000

STATE OF WASHINGTON
AGENCY / INSTITUTION PROJECT COST SUMMARY

Updated July 2019

Agency	Ecology	
Project Name	Lacey HQ Parking Garage Preservation	
OFM Project Number	40000384	

Cost Estimate Summary

Acquisition			
Acquisition Subtotal	\$0	Acquisition Subtotal Escalated	\$0

Consultant Services			
Predesign Services	\$0		
A/E Basic Design Services	\$218,074		
Extra Services	\$0		
Other Services	\$97,975		
Design Services Contingency	\$31,605		
Consultant Services Subtotal	\$347,654	Consultant Services Subtotal Escalated	\$353,716

Construction			
Construction Contingencies	\$263,353	Construction Contingencies Escalated	\$271,017
Maximum Allowable Construction Cost (MACC)	\$2,633,525	Maximum Allowable Construction Cost (MACC) Escalated	\$2,710,161
Sales Tax	\$272,306	Sales Tax Escalated	\$280,231
Construction Subtotal	\$3,169,184	Construction Subtotal Escalated	\$3,261,409

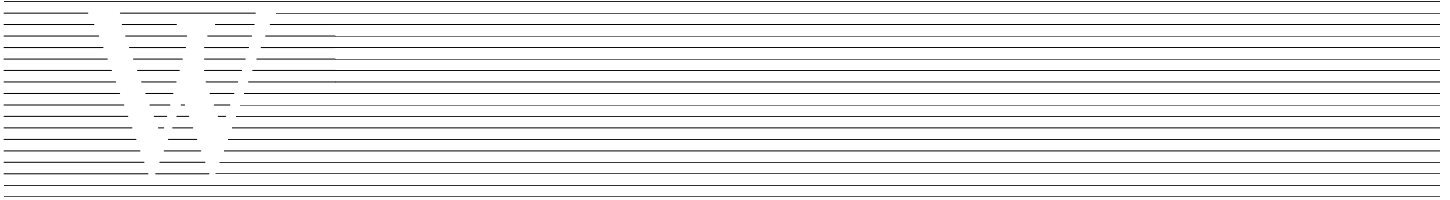
Equipment			
Equipment	\$0		
Sales Tax	\$0		
Non-Taxable Items	\$0		
Equipment Subtotal	\$0	Equipment Subtotal Escalated	\$0

Artwork			
Artwork Subtotal	\$0	Artwork Subtotal Escalated	\$0

Agency Project Administration			
Agency Project Administration Subtotal	\$0		
DES Additional Services Subtotal	\$0		
Other Project Admin Costs	\$0		
Project Administration Subtotal	\$176,312	Project Administration Subtotal Escalated	\$181,443

Other Costs			
Other Costs Subtotal	\$0	Other Costs Subtotal Escalated	\$0

Project Cost Estimate			
Total Project	\$3,693,150	Total Project Escalated	\$3,796,568
		Rounded Escalated Total	\$3,797,000



W E T H E R H O L T A N D A S S O C I A T E S , I N C .

CONDITION ASSESSMENT

Washington State Department of Ecology – Parking Garage Lacey, Washington



for

Washington State Department of Ecology
300 Desmond Drive SE
Lacey, Washington 98503

Attn: Steven Adams

October 13, 2020

W E T H E R H O L T A N D A S S O C I A T E S , I N C .

October 13, 2020
Wetherholt Project No. 9307-02J1

Washington State Department of Ecology
300 Desmond Drive SE
Lacey, Washington 98503

Phone: (360) 407-6089

Attn: Steven Adams

Email: steve.adams@ecy.wa.gov

Ref: Condition Assessment Report – Revised
DOE Parking Garage
Lacey, WA

Greetings,

At the request of Steven Adams, Washington State Department of Ecology, Wetherholt and Associates performed a survey of the DOE parking garage in Lacey, WA, on July 21, 2020, to assess current conditions and identify potential issues, and provide options for repairs and maintenance. The parking structure will be described as Level 3, Level 2, and Level 1, includes the ramps between levels.

Items of Understanding

Wetherholt and Associates, Inc. previously reviewed the DOE parking garage in 2013, with a report prepared by Ray Wetherholt. Some of the information presented in that report may be included here for historical reference and comparison. We understand that Sargent Engineers, Inc. is also performing a structural assessment of the parking garage.

We understand the garage was constructed in 1993 by Mortenson Construction as part of a “design build” project. The garage is constructed using precast columns, precast support beams, and precast double T deck elements. The precast double T deck is covered with an approximately 3 inch thick concrete topping slab placed directly on the double T units. Double T joints generally align with control joints in the topping slab.

A 2011 Sargent/Krazan structural evaluation noted surface scaling, spalling, and cracking of the topping layer, likely resulting from a combination of freeze/thaw, and flexing under traffic loads. Joint sealant deterioration was noted, likely related to normal weathering, and flexing under traffic loads.

Observations

The concrete structure appears to be in serviceable condition, with no apparent spalling of the structural double T beams or precast columns. Cracking and delamination of the concrete topping layer was noted, as well as exposed and corroding reinforcing steel elements.

Inward migration of water through the concrete structure elements has resulted in efflorescence on interior surfaces, and corrosion of exposed steel.

The surface condition of the topping slab over the double T beams appears poor in many locations, especially the upper levels. Some areas or panels may have been finished prematurely or cast with a high water/cement ratio at the surface, causing the surface to spall, resulting in an “exposed aggregate” appearance. Other areas have the light broom texture finish normally expected.

A polymer modified topping has been applied to the topping slab on the upper levels, apparently as a repair to the topping slab, as well as to provide additional slope for surface water runoff to the drains. The polymer modified topping depth appears to vary from a shallow edge to approximately 1 inch thick or more. Sounding the polymer modified topping with a hammer suggests widespread delamination, as previously reported by Krazan. In addition, several locations were observed where steel reinforcing components are exposed and corroding.

Sealant joints between the concrete topping panels are weathered and deteriorated, and due for replacement. The edges of the concrete topping panels are raveling at some joints, potentially permitting water to migrate into the joint and lower levels.

Other isolated spalling may be due to inclusions and contamination of the concrete or the use of de-icing compounds during winter. It was indicated by Mr. Adams that a variety of compounds are used to help reduce icing of the traffic surface.

Discussion and Recommendations

To help reduce the inward migration of water through the exposed parking decks and help mitigate corrosion potential to steel reinforcing elements, resurfacing and coating of the exposed upper decks should be considered. Lower levels would also benefit from coating to help limit water migration to steel reinforcing elements, reducing corrosion potential.

While the topping slab condition varies, it is a reasonably good candidate for resurfacing, and coating with a urethane or PMMA traffic coating. Before the entire parking deck area is addressed, a sample area should be identified and a mock-up repair created with the system selected, to verify the effectiveness of the repair, and help refine probable project costs.

Additionally, testing of the existing topping slab concrete condition should be performed, some of which was suggested in the Krazan 2011 report, but may not have been performed (coring and testing for pH profile and compressive strength of the topping slab and double Ts; half-cell corrosion surveys on topping slab and double Ts).

Repair options presented for consideration include (this is not a specification):

Preparation:

1. Removal of the existing polymer modified topping.
2. Grind or shot blast the existing surface to an acceptable profile.
3. Provide temporary support for stairs, fire department standpipe, and perimeter safety railings and raise the bases to allow for cleaning and coating underneath.
4. Removing existing joint sealants, clean joint substrates, apply bond breaker, and fill with a suitable sealant designed for horizontal placement and vehicle traffic service.

New surfacing:

Siplast PMMA traffic coating system for use over unoccupied space:

1. Verify sound concrete is obtained, and finish profile as recommended.
2. Apply moisture tolerant epoxy primer, such as Aquafin SG3 System, or ACTech 2170.
3. Detail cracks and joints as prescribed by material manufacturer.
4. Apply Siplast Pro Color Finish resin with Pro Texture.
5. Apply unreinforced Siplast Terapro VTS System supplemented with Pro Thixo, surfaced with VTS Quartz broadcast into wet resin to refusal.

Potential costs for the work utilizing a PMMA coating system, based on approximately 95,232 square feet of deck area, are estimated to be approximately \$2,271,960 (expected to range from \$23/sf to \$26/sf), including design/estimating contingency fees, O&P, general conditions, and other related costs.

At the time of the coating repairs, miscellaneous concrete repair will need to be performed such as around columns, and at corners.

A contractor capable of performing the work, and who is familiar with this garage deck is Contech Services, contact Roger Runacres, (206) 763-9877, roger@contechserviceswa.com. Other contractors capable of performing the work include Technical Waterproofing, contact Mark Hagerty (206) 768-8324, mhagerty@technicalh2o.com, and Commercial Industrial Roofing (CIR), contact Carrie Green (425) 754-0681, carrie@cir-roofing.com.

An example of a Siplast PMMA deck coating can be observed on the exposed parking garage areas of the Westfield Mall at South Center.

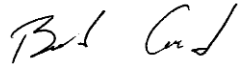
*Condition Assessment
Washington State Department of Ecology
Parking Garage – Lacey, Washington*

*Page 4
October 13, 2020
Project No. 9307-02J1*

Enclosed are photos taken during our site visit for your review with this report. These images and accompanying notes provide additional information to that presented above and should be considered part of this report.

We trust the above information has been of assistance. If you have any questions, or if we may be of further service, please do not hesitate to call.

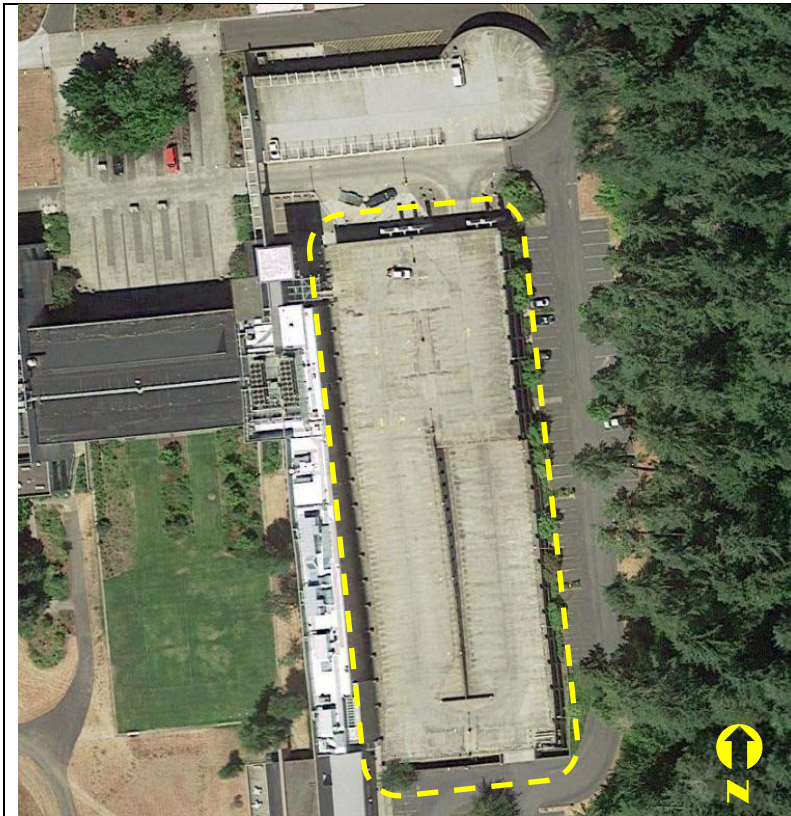
Respectfully,



Bob Card, F-IIBEC, RRC/RWC/REWC/RBEC/REWO
Senior Field Engineer / Principal
Wetherholt and Associates Inc.

This evaluation is provided at the request of Steven Adams, Washington State Department of Ecology, whom we understand represents the owner. No liability, warranty of merchantability, or guarantee of weatherproofing service life is accepted or implied. Wetherholt and Associates Inc. is a neutral roofing consulting firm specializing in resolving building, waterproofing and roof related issues.

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Photograph 1: Overview of the site and Parking Garage layout. (Image courtesy of Google Maps).



Photograph 2: Overview of the main (north) entrance.



Photograph 3: Overview of the south entrance.



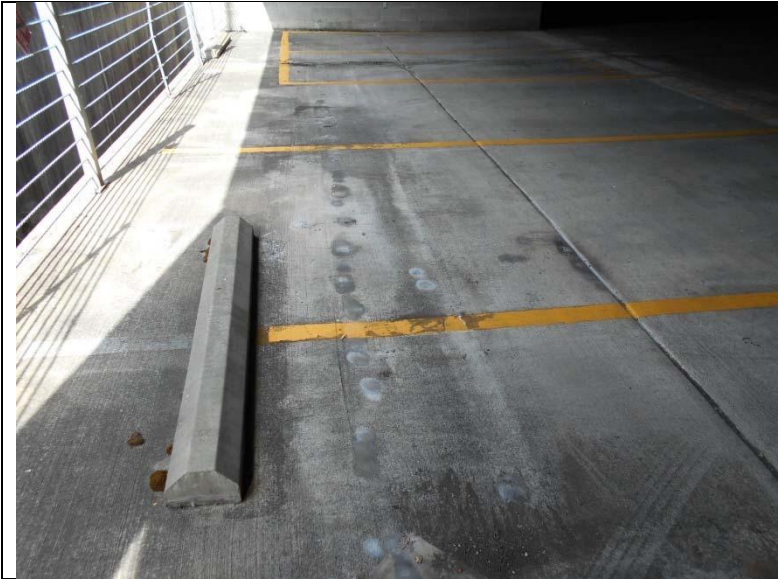
Photograph 4: West elevation overview, showing precast columns and beams.



Photograph 5: Overview of the precast double T configuration.



Photograph 6: Detail from previous image showing efflorescence from water migration on the underside of a double T.



Photograph 7: Mineral deposits on the parking deck surface below the location in the previous image, from water dripping from the double Ts.



Photograph 8: Steel plates installed at the underside of the deck, south end of level 3.



Photograph 9: Detail view from previous image, showing corrosion of the plate. This condition should be addressed at the time of repairs.



Photograph 10: Sheet metal flashing installed at the interior termination of the topping slab, level 1.



Photograph 11: Detail from previous image showing the flashing condition.



Photograph 12: Level 3 overview, showing the western deck area viewed toward the south.



Photograph 13: Level 3 overview, showing the eastern deck area viewed toward the south.



Photograph 14: Detail from photo 12 showing deterioration of the topping layer.



Photograph 15: Typical sealant joint overview.



Photograph 16: Detail from previous image showing deterioration of joint edge.






Photograph 17: Typical sealant joint overview.



Photograph 18: Detail from previous image showing deterioration of joint edge.

	<p>Photograph 19: Overview image showing topping layer deterioration, organic growth in divots.</p>
	<p>Photograph 20: Exposed and corroding reinforcing steel.</p>
	<p>Photograph 21: Exposed and corroding reinforcing steel.</p>

 A photograph showing a concrete parking garage floor with a white painted line and a sealant joint. The floor is marked with the numbers '250' and '251' in white paint. The sealant joint is visible as a dark line across the concrete.	<p>Photograph 22: Typical sealant joint overview.</p>
 A close-up photograph of the sealant joint from the previous image. It shows significant deterioration of the joint edge, with exposed and corroding reinforcing steel visible. The concrete around the joint is cracked and crumbling.	<p>Photograph 23: Detail from previous image showing deterioration of joint edge and exposed and corroding reinforcing steel.</p>
 A photograph showing another sealant joint on the concrete parking garage floor. The floor is marked with the number '255' in white paint. The sealant joint is visible as a dark line across the concrete.	<p>Photograph 24: Typical sealant joint overview.</p>

	<p>Photograph 25: Detail from previous image showing deterioration of joint edge and exposed and corroding reinforcing steel.</p>
	<p>Photograph 26: Overview of drain location, level 2.</p>
	<p>Photograph 27: Detail from previous image showing accumulation of sediment and debris at drain grate. Regular maintenance should include clearing of debris from drainage pathways.</p>



Photograph 28: Efflorescence and corrosion of steel elements resulting from inward migration of water through concrete structure elements.



Photograph 29: Efflorescence and corrosion of steel conduit resulting from inward migration of water through concrete structure elements.

SUMMARY

Project **WS DOE PARKING GARAGE REPAIR**
 Location Lacey, WA
 Prepared For: Wetherholt & Associates, Inc
 Prepared by J B Iringan Consulting
 Design Phase Budgetary Estimate
 Date September 8, 2020

Items/Divisions		SIPLAST PMMA
Div 2 - Preparation & Demolition		451,932
Div 3 - Concrete		173,300
Div 5 - Metals		-
Div 6 - Wood & Plastics		-
Div 7 - Thermal & Moisture Protection		993,981
Div 8 - Openings		-
Div 9 - Finishes		-
Div 10 - Specialties		96,250
Div 21-23 - Mechanical		-
Div 25-27 - Electrical		-
TOTAL DIRECT COST		\$1,715,463
Gen Conditions incl site Supervision, B&O Taxes & Insurance	12%	205,856
General Contractor's Overhead and Profit (Main office)	8%	144,099
Design/Estimating Contingency	10%	206,542
Add for SIPLAST TESTING FEE (<i>per Wetherholt & Assoc</i>)	1 LS	-
TOTAL REPAIR COST AT TODAY'S BID	96,250	\$2,271,960
Total Gross Area, SF		95,232
Unit cost, \$/SF		\$23.86

Notes:

This estimate assumes union wage rate, public bid
 Does not include Sales Tax, Escalation nor Bidding climate Contingency
 Does not include Inefficiency of Labor due to Pandemic (COVID-19) Effect Premium

ESTIMATE DETAIL

Project **WS DOE PARKING GARAGE REPAIR**
 Location Lacey, WA
 Prepared For: Wetherholt & Associates, Inc
 Prepared by J B Iringan Consulting
 Design Phase Budgetary Estimate
 Date September 8, 2020

Items/Descriptions	Quantity	Unit	Unit Cost	Sub-Total	TOTAL
Use of Siplast PMMA					
Div 2 - Misc Slective Demolition & Preparation			9.37		451,932
Strip-off/demo exist polymer modified topping	4,000	SF	1.50	6,000	
Shot blast/roughen/clean exist concrete slab decks	48,236	SF	1.75	84,413	
Grind/clean exist failing sealants/conc in between floor panels	11,790	LF	5.00	58,950	
Chip-back concrete where WWF reinf exposed/corroded	30	LOC	300.00	9,000	
Load, haul & dispose debris	60	CY	120.00	7,219	
Temporary dust protection (tarps/plastics, etc) - allow	68,400	SF	2.00	136,800	
Temporary perimeter safety railings - allow	2,040	LF	20.00	40,800	
Temp supports for stairs, fire dept stand pipe - allow	1	LS	35,000.00	35,000	
Relax raise/retighten base of (E)railings for cleaning/coating underneath	2,550	LF	25.00	63,750	
Floor scan to verify conc floor is sound before surfacing	1	LS	10,000.00	10,000	
Hazmat abatement -	-	NIC		0	
Div 3- Concrete					173,300
New mod polymer topping at north end topmost deck - slope to drain	4,000	SF	8.00	32,000	
Concrete repair/topping where existing WWF reinf were exposed	30	LOC	480.00	14,400	
Clean/coat corroded WWF reinf	30	LOC	300.00	9,000	
Concrete fill/repair in between floor panels	11,790	LF	10.00	117,900	
Div 7- Thermal & Moisture Protection			20.61		993,981
Sealants/backer rod fill/repair in between floor panels	11,790	LF	5.00	58,950	
Sika Siplast Systems: Per Siplast Rep	48,236	SF	16.00	771,776	
<i>Color Finish Resin layer</i>		included above		0	
<i>Surfacing Aggregate</i>		included above		0	
<i>Waterproofing/wearing layer</i>		included above		0	
<i>Primer</i>		included above		0	
<i>VTS non-reinforced system - slope to drain</i>	27,209	SF	6.00	163,255	
<i>Substrate (existing concrete)</i>		Preparation cost in Div 2		0	
Div 10 - Specialties					96,250
Re-striping & numbering parking stalls (2 upper decks only) - allow	500	EA	150.00	75,000	
Stencils signs on HC parking stalls - allow	25	EA	250.00	6,250	
Misc predestrain crosswalk striping - allow	1	LS	5,000.00	5,000	
Temp remove/reinstall precast wheel stoppers - allow	200	EA	50.00	10,000	
TOTAL DIRECT COST				1,715,463	\$1,715,463



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September 2, 2020

Department of Ecology
Attn: Steve Adams
Facility Manager, HQ
300 Desmond Drive SE
Lacey, WA 98503

**RE: DOE Parking Garage
Structural Engineering Rapid Assessment
Project No.: A20144.00**

Dear Steve:

On behalf of Sargent Engineers, I am pleased to present to you this memo as our structural assessment of the Washington State Department of Ecology (DOE) Parking Garage located at the DOE headquarters in Lacey, Washington. For this project, our scope of services included the following:

- Performance of a visual assessment of the existing structure. This was completed with your assistance on July 21, 2020.
- Providing this assessment report to include documenting any items of concern in the garage.
- Provide a rough order of magnitude cost estimate for recommended repairs.

Assessment

The main garage is a three-story structure, built of cast-in-place and precast concrete, and structural steel, and is approximately 124-feet wide and 372-feet long constructed around 1993. We performed a similar assessment of the garage in 2007. Please note, the structural, visual, on-site observation does not include any non-structural elements, it also does not include structural members that are concealed, and the observation does not include any checks as to the adequacy of structural members to support the loads placed on them, and does not include any destructive or non-destructive testing. It only includes the condition of those structural members that are readily visible.

Based on information previously reviewed, a small portion at the north end of the first level of the main garage is constructed using structural steel beams and girders with a concrete structural slab. Cast-in-place concrete columns or walls, or structural steel columns support the structural steel floor framing. Based on the structural drawings, some form of "Architectural Fill Slab" is placed over the top of the structural slab in the areas supported on structural steel framing. The remainder of the first floor and all of the second and third floors of the main garage use precast, double-tee beams for the deck support. The tee beams are supported on inverted-Tee shaped precast concrete girders, precast bearing walls, or cast-in-place concrete walls. See Figures 1 through 4 for overall structure photographs.

Based on our quick walk around and through the structure the following items were noted:

- The existing concrete corbel at the south end of the garage supporting the first floor level girder appears to be in good condition with no exterior signs of decay (see Figure 5).
- Hairline longitudinal cracking was also noted in many of the precast tee-beams (see Figure 6) throughout the structure. Some have efflorescence leaching from the cracks.
- At the South end of the main garage an exposed reinforcing bar was noted in the first floor deck. The bar is located at the intersection of one of the East tee beams to the center wall (see Figure 7) just north of the interior wall at Grid 11.5. This bar was noted as being exposed in our 2007 report and does not appear to have changed at all since that time.
- The patch of the concrete deck spall at the South exit ramp has at the East support wall, noted in our 2007 report, appears to be slightly loose of the deck (see Figure 8).
- The numerous precast concrete bearing wall cracks and spalls with exposed rebar at the elevation of the second parking level (see Figures 9, 10, and 11). Many of these were noted in our 2007 report and at least one appears to have been patched and respelled since 2007. The spalls and cracks are still limited to the North ends of the precast walls only. No visible signs of distress were noted at the South ends of these walls, or anywhere else on the walls.
- The concrete deck at the first level near the north entrance has some hairline cracking in the topping slab (see Figure 12).
- Numerous other cracks and spalls were noted throughout the upper decks of the parking garage, especially near and around intermediate columns and walls, and at or adjacent to joints in the deck (see Figures 13 through 15).
- There appears to have been a small fire on the main floor deck at the south end of the garage (see Figure 16). No damage was noted in the garage deck slab or the adjacent wall.
- The concrete deck of the main garage has minor spalls and some exposed reinforcing steel throughout. In numerous areas where the deck is exposed to weathering, the concrete surface is beginning to wear and is exposing more of the aggregate (see Figures 17 through 21).
- Portions of the second and third level decks have been overlaid with a thin overlay. For the most part, the overlay appears to be in good condition (see Figures 22 and 23). However, it was clear that no effort was made to patch and level the concrete deck below before the overlay was placed. As such, water staining could be seen in all of the low spots in the deck.
- Severe spalling and potholing of the deck on the upper level is occurring (see Figure 24).
- The new steel corbel supporting the upper level girder at the north end of the garage is in excellent condition (see Figure 25). However, the girder it is supporting is showing signs of water/moisture damage with cracking throughout the bottom flange of the girders. Much of the cracking has efflorescence and some has rust staining leaching from the cracks (see Figures 26 and 27).
- Other minor spalls and cracks were noted throughout the garage.

Repair and Maintenance Recommendations

The most significant damage noted throughout the structure is in the precast wall panels at the center of the garage, and the upper level deck and supporting girder at the north end of the garage. At this point in time, none of these wall panels showed signs of failure, and it is therefore, our opinion that the damage shown is mostly cosmetic with the exception that the exposed reinforcing needs to be protected from the elements. The upper deck and girder at the north end of the garage are somewhat concerning. It is clear that both are being damaged by water intrusion. The water intrusion on the deck leads to spalls caused by

a combination rusting reinforcing steel and freeze/thaw actions. This eventually leads to the potholes noted in the upper deck. The water intrusion has also become severe enough that it is impacting the condition of the girder below. The remaining damage or deficiencies currently noted are typically cosmetic or serviceability issues. However insignificant the current damage is to the items noted above, if they are not properly repaired in the near future, additional deterioration of the steel connections and reinforcing steel could lead to failure of some of these elements.

Therefore, our recommendations, listed in order of highest priority, for repairs are as follows:

- **Precast Wall Panels** – Remove all loose or cracked concrete in the precast, center wall panels, thoroughly clean all exposed reinforcing and coat the exposed reinforcing with a coating of rust converter/inhibitor. Replace the missing concrete with a concrete patching material, some of which offer corrosion inhibitor additives in the mix which would be beneficial to these repairs. Based on the fact that at least one previous repair has already failed, we would also recommend that expansion joint material be placed between the patch and the deck in order to minimize any potential for future movement of the garage deck to once again break off the patch.
- **Third Floor Deck and Girder** – As noted above, the damages to the upper level at the north end of the garage are becoming severe and if left unrepaired could quickly lead to decreased strength in the deck and girder causing partial closures of the garage. The deck in this area needs to be repaired and consideration should be given to extending and/or replacing the thin overlay throughout the upper level of the parking garage. At this point, we do not believe the girder capacity has been impacted enough to warrant decreasing its capacity. However, we would recommend the girder have a follow up inspection after the repairs and weatherproofing of the deck are completed. Following that inspection, additional condition inspections of this girder should probably be made every two years to ensure its condition is not continuing to decline.
- **Remaining Spalls and Cracks** – The remaining spalls and crack throughout the garage may be cleaned and patched on an as-needed basis. If these spalls and cracks are in structural elements, then their continued degradation could lead to exposed reinforcing steel which could eventually to a decreased structural capacity and possibly failure. The hairline cracks in many of the structural concrete members are typically too small to be treated with epoxy injection, and will therefore be left as is. The hairline cracks pose no threat to the structural integrity of the garage.

Conclusions

Overall, we feel the existing structure is in fair condition based on the visible structure elements we observed on site. However, a few life safety items need to be addressed immediately as noted above, most important of which is repairing the upper level decking and waterproofing the deck at the north end of the garage. There is also a lot of maintenance and the possibility of an expensive roof structure replacement, or building replacement depending upon cost-benefit ratios, if the weatherproofing elements of the building are not repaired and maintained. Our opinion of probable costs for the recommended structural repairs (rough order of magnitude) is \$98,000. Please see attached Opinion of Probable Construction Costs below. This repair work would include repairing the concrete spalls in the upper deck in preparation for the new waterproofing, and spall repairs for the center precast walls. Recommendations for the waterproofing of the deck are outside of our area of expertise, so we would recommend reaching out to another consultant for input on waterproofing.



Thank you for this opportunity to be of assistance to you. Please feel free to call or email with any questions or comments, or if we can be of any additional assistance.

Respectfully,
Sargent Engineers, Inc.

Erik Martin, P.E., S.E.
Principal

ECM/encl.

C:\Users\erikm\Desktop\20Files\A20144.00 Ecology Garage Assessment\DOE Garage Obs Memo.docx

OPINION OF PROBABLY CONSTRUCTION COSTS

For: Washington State Department of Ecology

Date Prepared: 09/02/2020

Description	Quantity	Units	Unit Cost	Total Cost
Structure Repairs and Asset Preservation				
Upper Deck Spall Repair	500	SF	\$ 125.00	\$ 62,500.00
Center Wall Spall Repair	30	SF	\$ 300.00	\$ 9,000.00
Subtotal =				\$ 71,500.00
General Conditions and Profit				
Mobilization	1	LS	7% \$	5,005.00
Temp Facilities	1	LS	1% \$	715.00
Site Overhead	1	LS	8% \$	5,720.00
Home Office Overhead and Profit	1	LS	8% \$	5,720.00
Bonds, Insurance, Business Taxes	1	LS	3% \$	2,145.00
Design Contingency	1	LS	10% \$	7,150.00
Probable Construction Cost =				\$ 97,955.00
Rounded Construction Cost =				\$ 98,000.00

Note: The above estimate does not include design, contract administration, permitting, testing or special inspection services, or sales tax.



Figure 1 - View from East



Figure 2 - View from South



Figure 3 - View from Southeast



Figure 4 - View from North



Figure 5 - First Floor Corbel - South End of Garage



Figure 6 - Typical Hairline Cracking in Double-Tee Beams

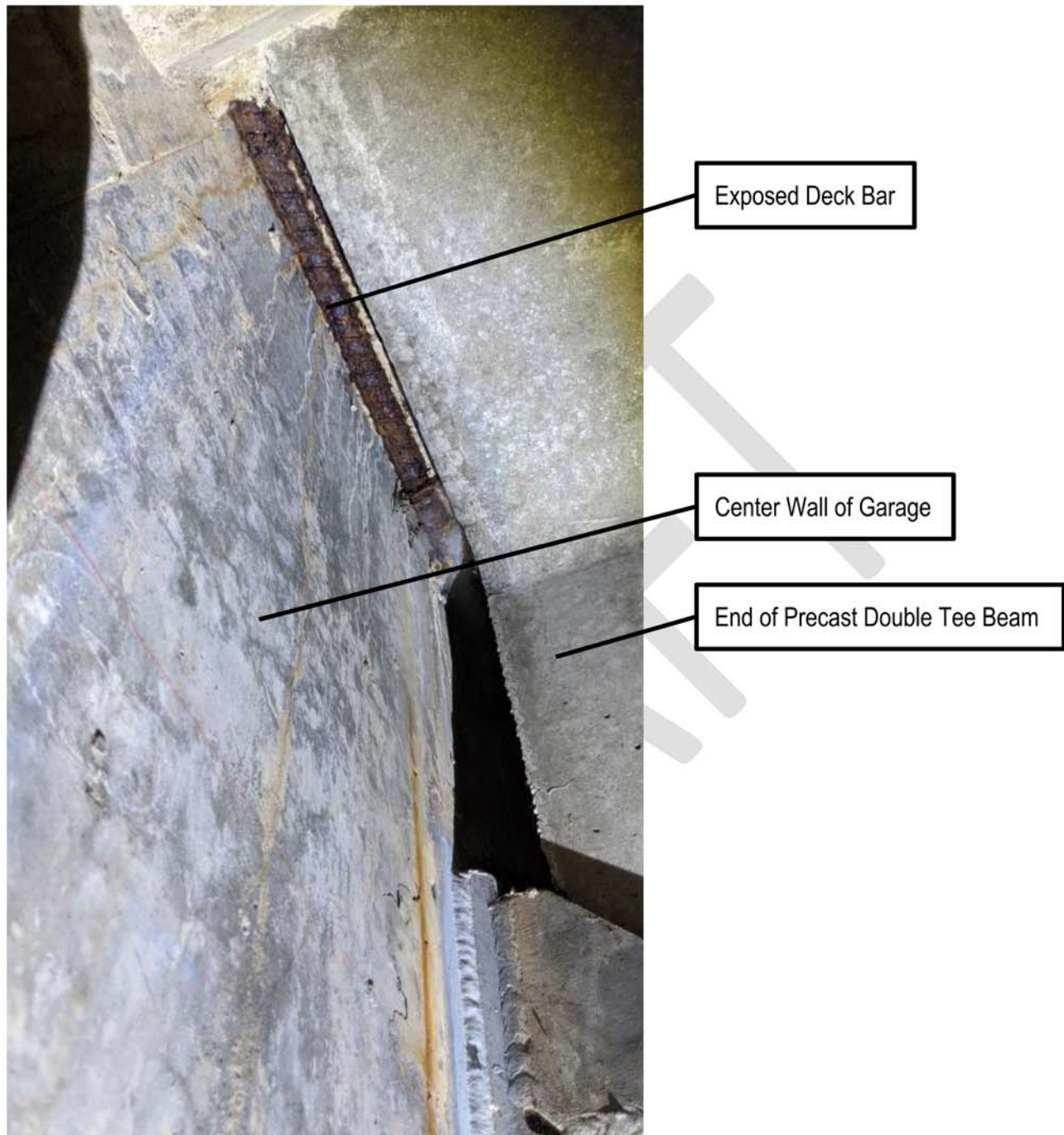


Figure 7 - Exposed Deck Bar - First Floor Deck



Figure 8 - Patch at East Side of South Exit Ramp



Figure 9 - Center Wall Spall (appears to have been patched and re-spalled)



Figure 10 - Center Wall Minor Spalling

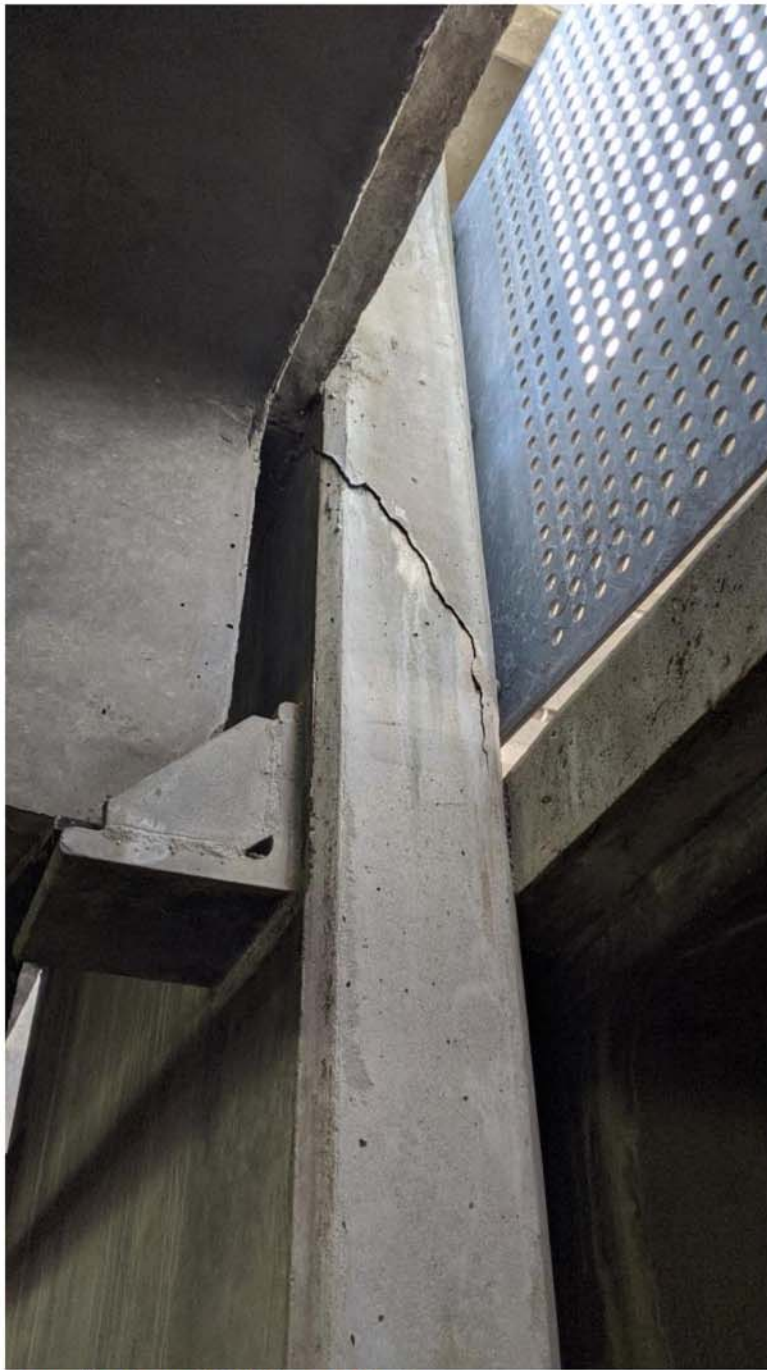


Figure 11 - Center Wall Diagonal Crack

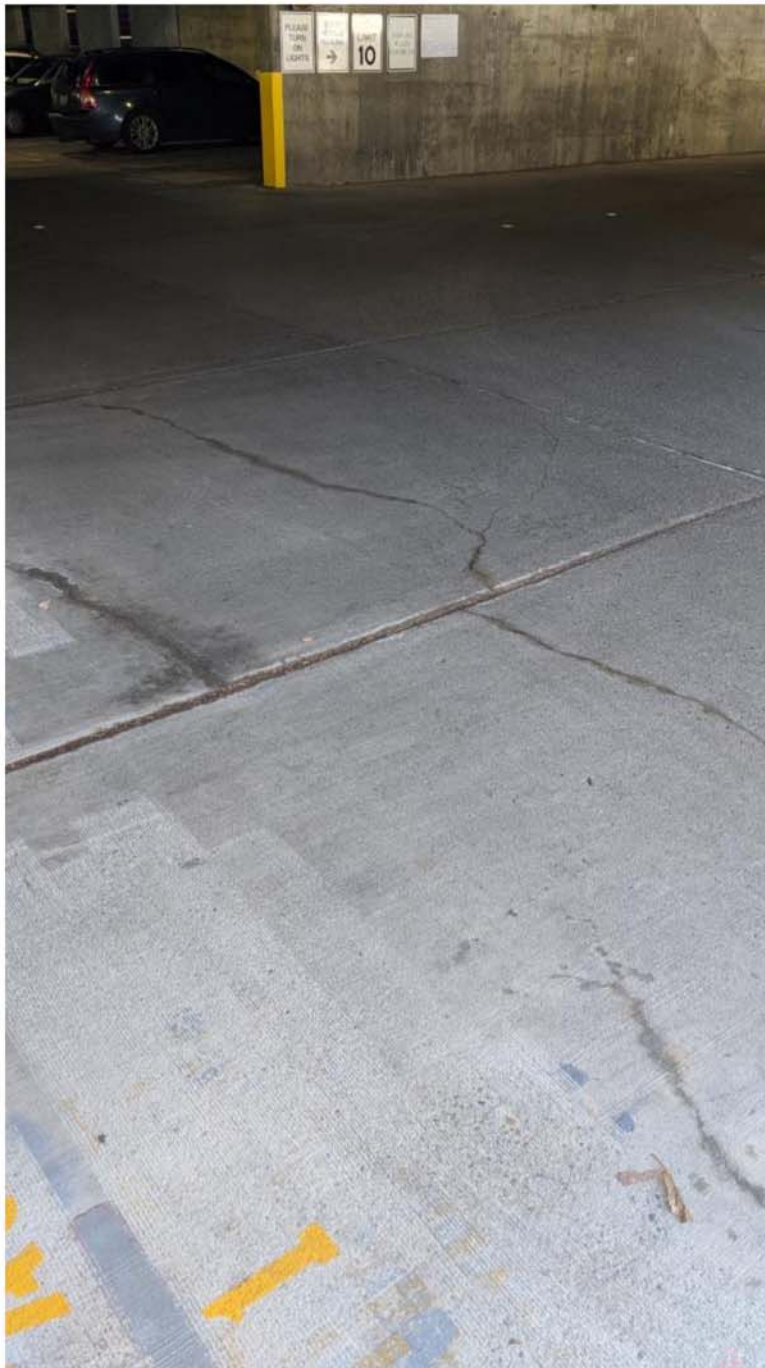


Figure 12 - Deck Cracking at North Entry



Figure 13 - Deck Crack at Intermediate Joint



Figure 14 - Deck Cracking at Columns



Figure 15 - Deck Cracking at Walls

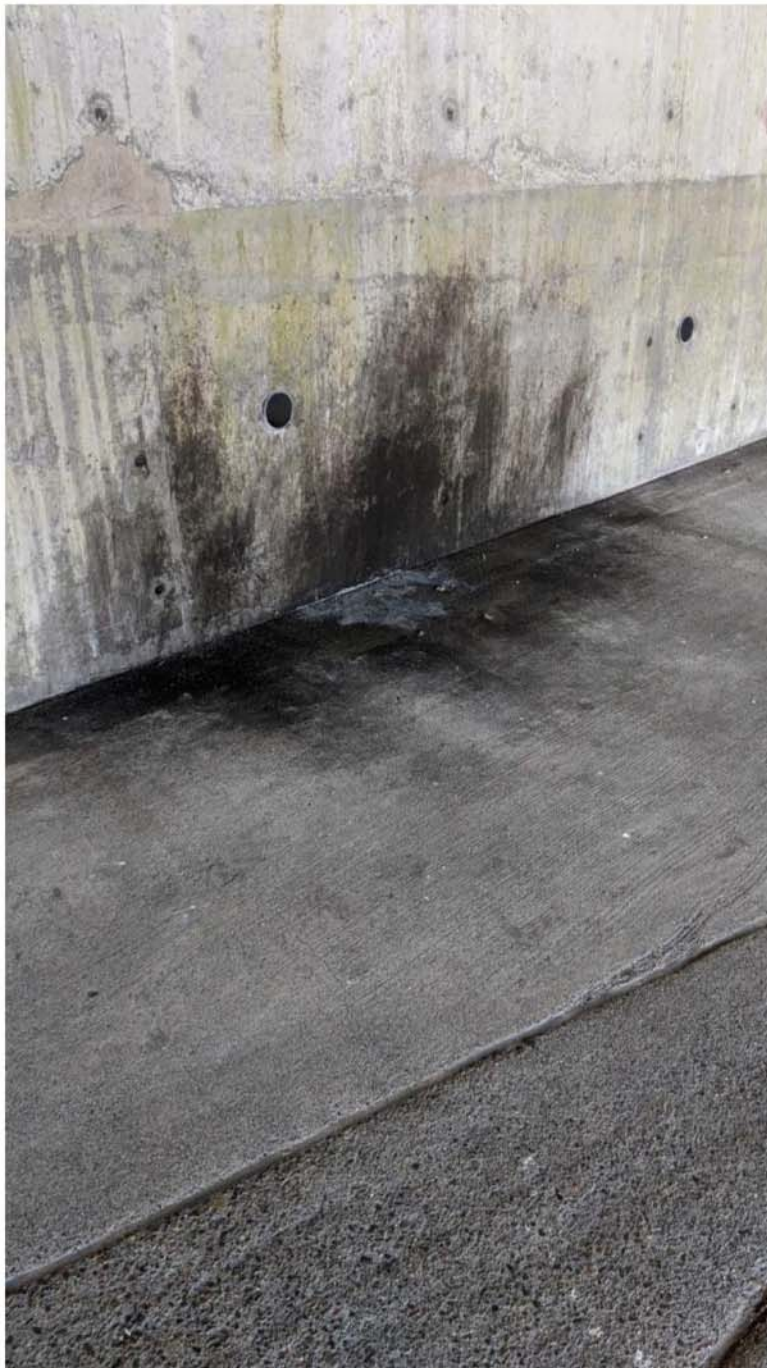


Figure 16 - Possible Fire Staining - First Floor Near South Entrance/Exit



Figure 17 - Minor Spalls in Deck



Figure 18 - Minor Deck Spall with Exposed Reinforcing



Figure 19 - Exposed, Rusty Reinforcing and Deck Aggregate Exposure



Figure 20 - Deck Spalling and Aggregate Exposure



Figure 21 - Deck Aggregate Exposure



Figure 22 - Upper Level Overlay (Overview)



Figure 23 - Water Stained Low Spots in Overlay



Figure 24 - Cracking, Spalling and Potholes in Upper Level Deck



Figure 25 - New North Corbel Supporting Upper Level Girder



Figure 26 - Severe Cracking with Efflorescence and Rust Staining - Upper Level Girder



Figure 27 - Severe Cracking with Efflorescence and Rust Staining - Upper Level Girder



Figure 28 - Cracking, Spalling and Potholes in Upper Level Deck



Figure 29 - Cracking, Spalling and Potholes in Upper Level Deck

Project : CLEAN, SEAL & REPAIR PARKING GARAGE & VISITOR PARKING

Architect: KMB architects

Estimated By: KMB architects

Design Phase: Budgetary Cost Estimate

Date: September 2, 2020

ITEMS DESCRIPTION

SUMMARY			PARKING GARAGE	VISITOR PARKING	TOTAL COST
Division 2 - Site Preparation			65,500	26,950	65,500
Division 3 - Concrete			6,500	7,000	6,500
Division 4 - no work			0	0	0
Division 5 - no work			0	0	0
Division 6 - no work			0	0	0
Division 7 - Thermal & Moisture Protection			50,400	24,080	50,400
Division 8 - no work			0	0	0
Division 9 - no work			0	0	0
Division - 10, 11, 12, 13 & 14 - no work			0	0	0
Division 21 to 27 - no work			0	0	0
Division 33 - Exterior Improvements			9,000	9,000	9,000
Total Direct Cost	\$	-	\$ 131,400	\$ 67,030	\$ 198,430
General Conditions and site overhead	15%	-	19,710	10,055	29,765
Overhead and Profit (Main office)	10%	-	15,111	7,708	22,819
Design/Estimating Contingency	5%	-	8,311	4,240	12,551
TOTAL COST @ TODAY'S BID	\$	-	\$ 174,532	\$ 89,033	\$ 263,565

Project : **CLEAN, SEAL & REPAIR PARKING GARAGE & VISITOR PARKING for Dept of Ecology HQ**
 Lacey, WA
 Architect: KMB architects
 Estimator : KMB architects
 Design Phase: Budgetary Cost Estimate
 Date: September 2, 2020

ITEMS DESCRIPTION	Quantity	Unit	Unit Cost	Sub-Total	TOTAL
Parking Garage					
Division 2 - Site Preparation					65,500
Pressure wash/clean existing exterior precast/concrete walls	18,000	SF	2.25	40,500	
Equipment rental allowance - for 2 months	1	LS	25,000	25,000	
Division 3 - Concrete					6,500
Repair concrete spals	1	LS	6,500	6,500	
Divisions 4 - 6					0
No work	0	LS	0.00	0	
Division 7 - Thermal & Moisture Protection					50,400
Apply sealer to exist precast/concrete exterior walls	18,000	SF	2.80	50,400	
Divisions 8 - 27					0
No work	0	EA	0.00	0	
Division 33 - Exterior Improvements					9,000
Protect existing plantings/trees at work area	1	LS	5,000	5,000	
Repair damaged plantings: grass/groundcovers - allow	1	EA	4,000	4,000	
TOTAL DIRECT COST				131,400 \$	131,400

Project : **CLEAN, SEAL & REPAIR PARKING GARAGE & VISITOR PARKING** for Dept of Ecology HQ
 Lacey, WA
 Architect: KMB architects
 Estimator : KMB architects
 Design Phase: Budgetary Cost Estimate
 Date: September 2, 2020

ITEMS DESCRIPTION	Quantity	Unit	Unit Cost	Sub-Total	TOTAL
Visitor Parking					
Division 2 - Site Preparation					26,950
Pressure wash/clean existing exterior precast/concrete walls	8,600	SF	2.25	19,350	
Remove/clean existing sealants between precast/concrete joints	4,000	LF	1.90	7,600	
Division 3 - Concrete					7,000
Repair concrete spals	1	LS	7,000	7,000	
Division 4 & 5 & 6					0
No work	0	LS	0.00	0	
Division 7 - Thermal & Moisture Protection					24,080
Apply sealer to exist precast/concrete exterior walls	8,600	SF	2.80	24,080	
Division 8 & 9					0
No work	0	EA	0.00	0	
Division 21 to 27 - Mechanical & Electrical					0
No work	0	EA	0.00	0	
Division 33 - Exterior Improvements					9,000
Protect existing plantings/trees at work area	1	LS	5,000	5,000	
Repair damaged plantings: grass/groundcovers - allow	1	EA	4,000	4,000	
TOTAL DIRECT COST				67,030 \$	67,030

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Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/4/2020 8:10AM

Project Number: 40000377

Project Title: Lacey HQ Elevator Restoration

Description

Starting Fiscal Year: 2022

Project Class: Preservation

Agency Priority: 24

Project Summary

The elevators at Ecology's Lacey headquarters facility were installed 27 years ago. The control systems are obsolete, and increasingly expensive maintenance is required to keep these elevators operational. The primary set of three traction elevators, located on the east side of the facility, need to be restored. These elevators are the principal bank of passenger elevators used by staff and visitors to enter and exit the facility, and are critical to efficient agency operations. They are also the only elevators on emergency generator power, required by fire code, and necessary to ensure safe egress of people with a disability in the event of a power outage or emergency. In addition, upgrades to the system will be more energy efficient and reduce liability to the agency by decreasing the risk of staff and visitors getting stuck in an elevator. (State Building Construction Account)

Project Description**What is the proposed project?**

Ecology is requesting \$1,596,000 for the restoration of three elevators at its Lacey headquarters (HQ) facility. The three primary elevators staff and visitors use when entering and exiting the facility are obsolete. They were installed in 1993, with a life expectancy of 20 years, and have been in operation for 27 years. Maintenance has become an issue because the circuit boards for these elevators are no longer manufactured. They are available only in refurbished condition, in limited numbers, and at a highly inflated cost. The failure rate on elevator systems past their life expectancy increases dramatically as they age. Failure of these elevators could risk the safety of Ecology staff and visitors, in addition to restricting the availability of one or more of the three cars for an indefinite period of time.

If a significant failure of the current control systems occurs, Ecology would be unable to meet National Fire Protection Association Life Safety codes and City of Lacey Fire District 3 fire code requirements for the facility. These three elevators are the only ones connected to the building's uninterruptible power supply and during a power outage are the only elevators that will operate. At least one elevator is required to be connected to the backup generator for fire response. These three elevators are essential for people with a disability during a power outage or other emergency.

Ecology's Lacey HQ facility has a total of seven elevators. This request is for funding to restore and modernize the three primary traction cable elevators. The other four elevators in the building are stand-alone, hydraulically operated elevators. These hydraulic elevators have a longer life and are on Ecology's Facility Preservation Plan to be restored and upgraded in a future biennium.

In 2017, Ecology met with the original manufacturer's representative for the elevators. The company recommended replacing the current geared power system with a modern gearless power unit, digital control system, and energy saving regenerative drives. The elevator car and tracks will stay the same, but the systems that run the elevators (power and control systems) will be replaced.

The new power and control system will be ADA (Americans with Disabilities Act) compliant, up to current state code, and will:

- Reduce elevator down time and potential for entrapments.
- Improve reliability.
- Improve elevator leveling.
- Improve building image by meeting current ADA standards – In addition to helping people with a disability, ADA compliant elevator controls are easier for all staff and guests to understand and use.
- Reduce potential liability.

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/4/2020 8:10AM

Project Number: 40000377

Project Title: Lacey HQ Elevator Restoration

Description

This request will result in Ecology's three primary passenger elevators being safe, efficient, having minimal maintenance costs, and meeting all current building codes, ADA standards, and industry guidelines. Note: Since the elevators were installed 27 years ago, minor changes to building codes, ADA standards, and industry guidelines have occurred. The elevator contractor will assess the current system and, as part of the restoration project, make the changes needed to meet modern standards.

The budget for this project was developed based on the attached Capital Plan (C-100) and attached sales quote from ThyssenKrupp Elevator, dated June 9, 2020. Costs include elevator equipment and installation, contracting for electrical, life safety, and general construction, and additional consultant, project management, and contingency funds calculated as part of the C-100 form.

What opportunity or problem is driving this request?

The primary elevators at Ecology's Lacey HQ facility are well past their life expectancy and need to be restored. This request will restore these three elevators and provide another 20-30 years of service. In addition to the mechanical upgrades, there will be ADA and safety upgrades. ADA upgrades will help people with a disability more easily operate the elevators and make the elevators easier to operate by all staff. Modern safety equipment will help decrease the agency's liability by decreasing risk of staff and guests becoming stuck in the elevators.

Completing this preservation project will reduce needs on Ecology's deferred maintenance backlog by fixing known deficiencies, preventing further deterioration, and helping to avoid more costly repairs in future biennia. Facility Preservation is a high risk on Ecology's Risk Register; this request will help address this risk by restoring equipment that is past life expectancy.

What are the specific benefits of this project?

This request will fund a necessary restoration of three elevators at Ecology's Lacey HQ facility. The Lacey HQ facility is Ecology's base for statewide operations, providing office space and infrastructure for more than 900 employees and other state and federal agency tenants. This request addresses a critical need that could cause an adverse condition and safety risks. Restoring the condition of the elevators will provide employees a safe facility to work out of and maintains state assets.

This request will also provide economic benefits to the state by creating up to 18 jobs during the next two years based on Office of Financial Management estimates.

What are the effects of non-funding?

If this request is not funded, the elevators would ultimately become unsafe to use. If the elevators became unusable it would compromise the safety of employees, building tenants, and visitors. This bank of elevators is required to be operational at all times and is the only bank of elevators connected to our uninterruptable power source. People with a disability require this bank of elevators to exit the building during power outages and emergencies. If capital funding is not provided, Ecology would have to redirect existing resources within its operating budget away from core environmental and public health work to fund this project.

Why is this the best option or alternative?

There are no feasible alternatives to this request. These are the only elevators connected to our uninterruptable power supply and are required to be operational in case of a power outage or an emergency.

How will clients be affected and services change if this project is funded?

Funding this request will allow Ecology to continue providing services to stakeholders, including residents, businesses, and government partners.

461 - Department of Ecology
Capital Project Request
2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/4/2020 8:10AM

Project Number: 40000377

Project Title: Lacey HQ Elevator Restoration

Description

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 for through a Certificate of Participation (COP), funded 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?

No

How does the project support the agency and statewide results?

This project is essential to implementing the goals in Ecology's strategic plan to:

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

The project supports all goals because keeping Ecology facilities in good condition is critical to providing a safe and efficient operating base for Ecology employees and the public.

This request is a high priority on Ecology's risk register under Facility Preservation, and will allow Ecology to comply with Executive Order 16-06 – State Agency Enterprise Risk Management. It supports the risk management and operation support services objective to:

- Maintain headquarters, regional, and field offices that support staff in meeting current business needs.
- Monitor environmental performance of facilities and engage staff in targeted improvements that contribute to the sustainability of our operations.
- Deliver shared services in an efficient and sustainable manner.

This request provides essential support to the Governor's Results Washington Goal 5: Efficient, Effective, and Accountable Government by ensuring Ecology facilities are safe, well-maintained, and operate efficiently.

How will the other state programs or units of government be affected if this project is funded?

Funding this request will positively impact Ecology and other agencies and government entities that work closely with us. Ecology's headquarters building provides a safe and efficient operating base for Ecology environmental programs, administration in Lacey and Southwest Washington, and houses partner agencies like the Washington Conservation Commission and the federal Environmental Protection Agency. Maintaining this building in good condition will benefit these other agencies directly.

What is the impact on the state operating budget?

If this project is not funded, and Ecology is forced to finance the repairs through a Certificate of Participation (COP) in the

461 - Department of Ecology

Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/4/2020 8:10AM

Project Number: 40000377

Project Title: Lacey HQ Elevator Restoration

Description

operating budget, the state will incur additional financing costs. Additionally, dedicated environmental funds will be required to be used for garage repair instead of the core environmental and public health work. This may cause some concern with fee and taxpayers who support these operating budget fund sources.

Proviso

N/A

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriates	New Appropriates
057-1	State Bldg Constr-State	1,596,000				1,596,000
	Total	1,596,000	0	0	0	1,596,000
Future Fiscal Periods						
		<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

STATE OF WASHINGTON
AGENCY / INSTITUTION PROJECT COST SUMMARY

Updated July 2019

Agency	Ecology	
Project Name	Lacey HQ Elevator Restoration	
OFM Project Number	40000377	

Contact Information

Name	James Pendowski	
Phone Number	360-407-6829	
Email	jpen461@ecy.wa.gov	

Statistics

Gross Square Feet	0	MACC per Square Foot	
Usable Square Feet	N/A	Escalated MACC per Square Foot	
Space Efficiency		A/E Fee Class	B
Construction Type	Office buildings	A/E Fee Percentage	13.14%
Remodel	Yes	Projected Life of Asset (Years)	25-30

Additional Project Details

Alternative Public Works Project		Art Requirement Applies	No
Inflation Rate	3.18%	Higher Ed Institution	No
Sales Tax Rate %	9.40%	Location Used for Tax Rate	Lacey
Contingency Rate	10%		
Base Month	July-21		
Project Administered By	Agency		

Schedule

Predesign Start		Predesign End	
Design Start	July-21	Design End	September-21
Construction Start	October-21	Construction End	December-21
Construction Duration	2 Months		

Green cells must be filled in by user

Project Cost Estimate

Total Project	\$1,579,666	Total Project Escalated	\$1,595,550
		Rounded Escalated Total	\$1,596,000

STATE OF WASHINGTON
AGENCY / INSTITUTION PROJECT COST SUMMARY

Updated July 2019

Agency	Ecology	
Project Name	Lacey HQ Elevator Restoration	
OFM Project Number	40000377	

Cost Estimate Summary

Acquisition			
Acquisition Subtotal	\$0	Acquisition Subtotal Escalated	\$0

Consultant Services			
Predesign Services	\$0		
A/E Basic Design Services	\$109,429		
Extra Services	\$0		
Other Services	\$49,164		
Design Services Contingency	\$15,859		
Consultant Services Subtotal	\$174,452	Consultant Services Subtotal Escalated	\$175,438

Construction			
Construction Contingencies	\$109,722	Construction Contingencies Escalated	\$110,886
Maximum Allowable Construction Cost (MACC)	\$1,097,222	Maximum Allowable Construction Cost (MACC) Escalated	\$1,108,853
Sales Tax	\$113,453	Sales Tax Escalated	\$114,656
Construction Subtotal	\$1,320,397	Construction Subtotal Escalated	\$1,334,395

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	\$84,818		
DES Additional Services Subtotal	\$0		
Other Project Admin Costs	\$0		
Project Administration Subtotal	\$84,818	Project Administration Subtotal Escalated	\$85,717

Other Costs			
Other Costs Subtotal	\$0	Other Costs Subtotal Escalated	\$0

Project Cost Estimate			
Total Project	\$1,579,666	Total Project Escalated	\$1,595,550
		Rounded Escalated Total	\$1,596,000

Capital Planner for Department of Ecology – Cars 1, 2 & 3

06-09-2020
By PAUL.MARSHALL
Modernization Sales Representative
7006 27th St W, Suite A, University Place, WA 98466
253-301-8250
paul.marshall@thyssenkrupp.com



engineering.tomorrow.together.



thyssenkrupp

1 of 4

Capital Plan



June 09, 2020

Purchaser: Department of Enterprise
Services
Address: 1500 Jefferson
Olympia, WA 98501

Location: Washington State Department of
Ecology
Address: 300 Desmond Dr SE
Lacey, WA 98503

To maintain reliable performance, elevators need regular service, repairs and part replacements. To help you plan and budget for your elevators' future, we've created a customized capital plan. Following each year's capital plan prevents you from being surprised by costly repairs. It also offers ways to upgrade your elevators, improve their energy efficiency and lower costs through modernization.

By partnering with thyssenkrupp Elevator, you'll be backed by 150 years of experience and service. We're ready to ensure your elevators perform strongly in the years ahead.

Budget at a Glance

Elevator	Type	Work Type	Date of Work	Budget
Car 1		Modernization	2021	\$349,075
Car 2		Modernization	2021	\$321,690
Car 3		Modernization	2021	\$321,690
Car 1, 2 & 3		Est Work by Others	2021	\$100,000
TOTAL				\$1,092,725

G2-Power+

Issue:

Geared elevators were once the industry standard, but have since become nearly obsolete. Today's remaining geared elevators often experience frequent breakdowns and service calls, high operational costs and dirty machine rooms.

Solution:

Modernizing to a gearless arrangement can be done with minimal building disruption. Our G2-Power+ package gives your elevator advanced gearless machine technology, a digital controller and energy-saving regenerative drives. Passengers will instantly feel the improved ride quality.

Benefits:

- Improves elevator efficiency
- Minimal disruption to building traffic flow
- Increases property value
- Improved sustainability

Price:

Cost Per elevator:	\$349,074
Target Date:	2021
Needed on:	Car 1, 2, 3



Related Building Work Not Included

When completing an elevator modernization, the local code requires all related building work that has a direct effect on or with the elevators be brought up to the existing elevator code enforced upon permit application. Such items would be all necessary revisions to the existing structure, finishes, and systems that work in sync with the elevator system: HVAC in elevator machine room, machine room and pit lighting, disconnects, emergency power operations, phone lines, fire alarm upgrades, etc. These upgrades must all be addressed prior to the inspection of the elevator(s) in order to pass the local inspection agency testing.

thyssenkrupp Elevator has not conducted a survey to assess the true scope of this work and this work can vary widely depending on current conditions. A full survey of existing conditions will be needed to accurately identify the scope and price of this work. For budgeting purposes, related building work typically adds \$50-70,000 per machine room to the total contract value.

461 - Department of Ecology

Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 10:57AM

Project Number: 40000148

Project Title: Lacey HQ Roof Replacement

Description

Starting Fiscal Year: 2020

Project Class: Preservation

Agency Priority: 71

Project Summary

The roof on Ecology's Lacey Headquarters (HQ) facility has not been replaced since the building was constructed in 1993. The current roof has exceeded its useful life expectancy and needs replacement to preserve the condition of the facility and prevent further water intrusion and structural damage. Facility managers have observed rainwater leaking through the existing roof membrane and there is damage related to the age of the roof and a recent major overhaul of the HVAC system. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	3,089,000		141,000	2,948,000	
	Total	3,089,000	0	141,000	2,948,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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461 - Department of Ecology

Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 11:10AM

Project Number: 40000207

Project Title: Lacey HQ Facility Preservation Project—Minor Works

Description

Starting Fiscal Year: 2020

Project Class: Preservation

Agency Priority: 106

Project Summary

This request supports the necessary modifications of the HVAC system in Ecology's Lacey Headquarters (Lacey HQ) basement to provide a heat source lost as a result of moving data server equipment. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	250,000			250,000	
	Total	250,000	0	0	250,000	0
Future Fiscal Periods						
		<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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461 - Department of Ecology

Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 11:06AM

Project Number: 40000193

Project Title: Zosel Dam Preservation

Description

Starting Fiscal Year: 2020

Project Class: Preservation

Agency Priority: 108

Project Summary

Zosel Dam is a critical piece of state infrastructure owned and operated by Ecology under the authority of RCW 43.21A.450. Ecology is requesting reappropriation from the State Building Construction Account to maintain and operate the Zosel Dam facility using best practices designed to protect this state asset. 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. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	217,000			217,000	
	Total	217,000	0	0	217,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 9:13AM

Project Number: 30000282

Project Title: Padilla Bay Federal Capital Projects

Description

Starting Fiscal Year: 2012

Project Class: Preservation

Agency Priority: 110

Project Summary

The National Oceanic and Atmospheric Administration (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. Ecology is seeking federal capital appropriation so we can spend federal dollars if we successfully secure new NOAA funding. (General Fund - Federal)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

Location

City: Mount Vernon

County: Skagit

Legislative District: 040

Project Type

Facility Preservation (Minor Works)

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
001-2	General Fund-Federal	800,000	275,000	331,000	194,000
	Total	800,000	275,000	331,000	194,000
					0
Future Fiscal Periods					
		2023-25	2025-27	2027-29	2029-31
001-2	General Fund-Federal				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

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**Department of Ecology
2021-2031 Capital Budget**

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Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 10:08AM

Project Number: 30000741

Project Title: Eastern Regional Office Improvements and Stormwater Treatment

Description

Starting Fiscal Year: 2018

Project Class: Program

Agency Priority: 80

Project Summary

This request will continue the improvements and stormwater treatment work at Ecology's Eastern Regional Office (ERO) that the Legislature funded in the 2018 Supplemental Budget. Ecology is requesting the next phase of funding identified in the ten-year plan to construct an annex facility. The ERO facility does not have sufficient space to store spill response equipment and field gear, to perform field laboratory work, or for hazardous materials storage. Ecology has been leasing space in different locations throughout Spokane to meet these needs. Constructing an annex facility will help consolidate business operations and provide space for Ecology activities currently housed off-site. The new request for construction of an annex will consolidate business operations and eliminate off-site leases. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

Location

City: Spokane

County: Spokane

Legislative District: 003

Project Type

Acquisition - Land

Remodel/Renovate/Modernize (Major Projects)

Growth Management impacts

N/A

New Facility: No

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	3,886,000	1,281,000	299,000	2,306,000	
	Total	3,886,000	1,281,000	299,000	2,306,000	0
Future Fiscal Periods						
		<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 9:23AM

Project Number: 30000335

Project Title: Padilla Bay Federal Capital Projects - Programmatic

Description

Starting Fiscal Year: 2014

Project Class: Program

Agency Priority: 98

Project Summary

The National Oceanic and Atmospheric Administration (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. Ecology is seeking federal capital appropriation so we can spend federal dollars if we successfully secure new NOAA funding. (General Fund - Federal)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
001-2	General Fund-Federal	500,000			500,000	
	Total	500,000	0	0	500,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
001-2	General Fund-Federal					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 10:48AM

Project Number: 40000127

Project Title: Padilla Bay Federal Capital Projects

Description

Starting Fiscal Year: 2020

Project Class: Program

Agency Priority: 99

Project Summary

The National Oceanic and Atmospheric Administration (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. Ecology is seeking federal capital appropriation so we can spend federal dollars if we successfully secure new NOAA funding. (General Fund - Federal)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
001-2	General Fund-Federal	500,000			500,000	
	Total	500,000	0	0	500,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
001-2	General Fund-Federal					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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461 - Department of Ecology

Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 11:24AM

Project Number: 91000359

Project Title: PFAS Pilot Project

Description

Starting Fiscal Year: 2020

Project Class: Program

Agency Priority: 101

Project Summary

Per- and polyfluorinated alkyl substances (PFAS) 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. This request will provide funding for a project in Issaquah where community water supplies are contaminated with PFAS. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

Location

City: Issaquah

County: King

Legislative District: 005

Project Type

Grants

Growth Management impacts

N/A`

New Facility: No

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriates	New Appropriates
057-1	State Bldg Constr-State	400,000			400,000	
	Total	400,000	0	0	400,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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**Department of Ecology
2021-2031 Capital Budget**

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**Department of Ecology
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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/1/2020 3:35PM

Project Number: 40000360

Project Title: 2021-23 Protect Investments in Cleanup Remedies

Description

Starting Fiscal Year: 2022

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 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. (Model Toxics Control Capital Account)

Project Description

What is the proposed project?

Ecology is requesting \$11,093,000 for 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 percent of the cleanup and the state is responsible for the remaining ten percent.

Once EPA completes the cleanup at a Superfund site, the state is responsible to pay 100 percent 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 going to fail at a bankrupt or abandoned site, then the state may decide to intervene and continue the remedy to protect 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 recontaminate.

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 essential in protecting existing remedies such as continued operation of a treatment plant.

Ecology's top two priorities on the project list provide examples of how this request will maintain cleanup remedies:

Wyckoff/Eagle Harbor Groundwater Extraction and Treatment System: There is a Superfund site on Bainbridge Island at Eagle Harbor. EPA oversaw the design, construction, operation, and maintenance of treatment systems to clean up groundwater contamination at the site. The treatment plant, Wyckoff Groundwater Extraction and Treatment System, became Ecology's responsibility under federal legal requirements outlined in an SSC. Ecology is negotiating with EPA on a more permanent remedy at Wyckoff that would allow the state to phase out or eliminate the need for ongoing operation and maintenance of the treatment plant. Until EPA constructs a more permanent remedy, Ecology will need funding to operate the plant.

Lilyblad: This site is located in Tacoma's tideflats area. The soil and groundwater at the site were contaminated by years of operation as a distributor and recycler of petroleum products and solvents. While the facility no longer recycles solvents and dangerous waste, contamination remains in the site's soil and groundwater.

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Report Number: CBS002

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Project Number: 40000360

Project Title: 2021-23 Protect Investments in Cleanup Remedies

Description

Using funds secured through a legal settlement and supplemented with Model Toxics Control Act Account funding, Ecology funded installation of an in situ (in place or on site) treatment system to capture solvents and petroleum in the groundwater and remediate residual soil contamination. Installation of the remediation system was completed in July 2009 and Ecology oversees the remedial action for this site. Ecology is working with a consultant to prepare an updated, focused Feasibility Study to determine if the current Cleanup Action Plan will need to be revised. The report is anticipated to be completed by the end of 2020. In the meantime, the remedial system, a dual phase extraction system, remains on site and may be restarted as needed to control offsite migration of the contaminants. The consultant also maintains the remedial system and conducts groundwater monitoring.

This request will provide funding for ten projects to complete operations and maintenance or Ecology's required 10 percent construction match for implementing federal Superfund cleanups in Washington, to conduct Ecology's cleanup responsibilities outlined under consent decrees, or to protect remedies from failure at bankrupt or abandoned sites.

What are the specific benefits of this project?

This work will benefit Washingtonians by assuring continual operation of treatment plants and protecting existing remedies. Some of these sites are in the Puget Sound region and will provide the 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.
- Continued cleanup and restoration of Puget Sound.

This request will also provide economic benefits to the state by creating up to 57 jobs during the next two years based on Office of Financial Management estimates.

What are the effects of non-funding?

Without continued funding, Ecology would not protect existing remedies and we would not 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 costs to the cleanups over time. Issues like equipment repair and replacement, longer treatment system operation times, or increased laboratory analysis could increase costs. And, the State could 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?

One of Ecology's environmental goals is to clean up pollution, and this request is an integral part of cleaning up the most contaminated sites to protect and improve the lives of people and the environment. This request is for MTCA-Capital Account appropriation, the traditional funding source for cleanup projects.

How will clients be affected and services change if this project is funded?

This request continues ongoing efforts and will result in local cleanups and possible land redevelopment. Our local and federal partners need the State's financial support to continue cleanups. Cleaning up contaminated property is usually integrated with economic development, habitat restoration, and public recreation projects.

What is the agency's proposed funding strategy for the project?

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Project Title: 2021-23 Protect Investments in Cleanup Remedies

Description

Ecology requests funding from the Model Toxics Control Capital Account (MTCA-Capital) for this project. The use of MTCA-Capital funds for this project is consistent with the purposes of MTCA, Chapter 70.105D RCW and the MTCA-Capital Account, RCW 70.105D.200, 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.

Every two years, Ecology is required to provide the Legislature with a comprehensive report: "Model Toxics Control Accounts (MTCA) Ten-Year Financial Report." Ecology produces this report in coordination with local governments that have cleanup responsibilities. It identifies the projected financial needs to cleanup up contaminated sites that are eligible for funding from the Model Toxics Control Capital Account. The MTCA 2018 10-Year Financing Report is available here: <https://fortress.wa.gov/ecy/publications/SummaryPages/1809052.html>.

The MTCA Ten-Year Financing Report describes how we plan to spend funds to clean up sites in the upcoming biennium and the next ten years. Ecology produces this report during even-numbered years.

Its companion report, the MTCA Biennial Report of Expenditures, describes how cleanup funds were spent over the previous biennium. Ecology produces the Biennial Report of Expenditures during odd-numbered years. Find the 2019 Biennial Report online at <https://fortress.wa.gov/ecy/publications/SummaryPages/1909045.html>

Are FTEs required to support this project?

No.

How does the project support the agency and statewide results?

This request is essential to implementing Ecology's strategic plan goal to Prevent and Reduce Toxic Threats and Pollution, by cleaning up contaminated sites to protect human health and the environment. It also contributes resources to continue activity A005, Clean Up the Most Contaminated Sites First (Upland and Aquatic).

The request is also essential in supporting the Governor's Energy and Environment priority issues because it invests funds to clean up contaminated sites and protect public health and natural resources. This request supports Results Washington Goal 3, Sustainable Energy and a Clean Environment, by cleaning up and managing contaminated sites that pose threats to public health, the environment, groundwater, and fish and wildlife resources.

It also supports Results Washington Goal 2, Prosperous Economy, by creating and supporting jobs and making it possible to redevelop previously contaminated land to support economic growth in communities.

This request supports Governor Inslee's Executive Order 18-22, Southern Resident Killer Whale Recovery and Task Force, by reducing the legacy toxic contaminants in Puget Sound. The Order lists toxic contaminants as one of the three primary factors threatening the Southern Resident orca population.

- Reduce stormwater threats and accelerate cleanup to toxics harmful to orcas.

This request supports Puget Sound Action Agenda implementation through Ongoing Program OGP_ECY20: Toxic Cleanup Program - Cleaning up priority bays in Puget Sound (Department of Ecology) and is linked to the following Regional Priorities, Strategies, and Sub-strategies:

- Regional Priority TIF 1.1: Enhance pollutant reduction programs and corrective measures, and increase authorities and programs to prevent toxic chemicals from entering Puget Sound. By cleaning up toxic legacy pollutants, Ecology prevents these damaging chemicals from entering the Puget Sound and other potential routes for exposure.

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Project Title: 2021-23 Protect Investments in Cleanup Remedies

Description

- Regional Priority TIF 3.1: Provide the infrastructure and incentives to accommodate new development and redevelopment within designated urban centers in Urban Growth Areas. By cleaning up brownfield properties, Ecology helps to incentivize growth within Urban Growth Areas.
- Strategy 9: Prevent, reduce, and control the sources of contaminants entering Puget Sound.
 - Sub-strategy 9.1: Implement and strengthen authorities and programs to prevent toxic chemicals from entering the Puget Sound ecosystem.
- Strategy 10: Use a comprehensive approach to manage urban stormwater runoff at the site and landscape scales.
 - Sub-strategy 10.3: Fix problems caused by existing development.
 - Sub-strategy 10.4: Control sources of pollutants.
- Strategy 21: Address and clean up cumulative water pollution impacts in Puget Sound.
 - Sub-strategy 21.2: Clean up contaminated sites within and near Puget Sound by reducing and controlling the sources of pollution.

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. Ensuring cleanups work as designed protects public and private capital investments in these sites.

What is the impact on the state operating budget?

None.

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

N/A

Growth Management impacts

N/A

Funding

Expenditures

2021-23 Fiscal Period

Capital Project Request

2021-23 Biennium

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Project Number: 40000360

Project Title: 2021-23 Protect Investments in Cleanup Remedies

Funding

Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
23N-1	MTC Capital Account-State	51,093,000				11,093,000
	Total	51,093,000	0	0	0	11,093,000

Future Fiscal Periods

	2023-25	2025-27	2027-29	2029-31
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: 40000361

SubProject Title: Wyckoff Treatment Plant

Starting Fiscal Year: 2022

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 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. (Model Toxics Control Capital Account)

Project Description

Ecology, in support of the US Environmental Protection Agency (EPA), has assumed interim responsibility for conducting operation and maintenance of the Wyckoff Groundwater Extraction and Treatment Plant since 2014, while EPA plans and implements a final permanent remedy. The treatment plant is aging, which requires more frequent and significant repairs and replacement of important parts of the facility (e.g., polymer feed pumps, transfer pumps, control board, new computers, UPS power supply batteries, flow meters, level transducers, and frequent electrical problems-repairs). We also anticipate increases in the plant's contractor labor rate, carbon- disposal cost, free-products disposal cost, utility bills, and other associated costs.

Proviso

N/A

Location

City: Bainbridge Island

County: Kitsap

Legislative District: 023

Project Type

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Project Number: 40000360

Project Title: 2021-23 Protect Investments in Cleanup Remedies

SubProjects

Project Type

SubProject Number: 40000361

SubProject Title: Wyckoff Treatment Plant

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriates	New Appropriates
23N-1	MTC Capital Account-State	1,800,000				1,800,000
	Total	1,800,000	0	0	0	1,800,000

Future Fiscal Periods

	2023-25	2025-27	2027-29	2029-31
23N-1 MTC Capital Account-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000362

SubProject Title: Lilyblad

Capital Project Request

2021-23 Biennium

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Project Number: 40000360

Project Title: 2021-23 Protect Investments in Cleanup Remedies

SubProjects

SubProject Number: 40000362

SubProject Title: Lilyblad

Starting Fiscal Year: 2022

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 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. (Model Toxics Control Capital Account)

Project Description

Ecology is working with the consultant to prepare an updated, focused Feasibility Study to determine if the current Cleanup Action Plan will need to be revised. Ecology anticipates the report will be completed at the end of 2020. In the meantime, the remedial system, a dual phase extraction system, remains on site and may be restarted as needed to control offsite migration of the contaminants. The consultant also maintains the remedial system and conducts groundwater monitoring.

Proviso

N/A

Location

City: Tacoma

County: Pierce

Legislative District: 027

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		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Reappropriations
23N-1	MTC Capital Account-State	2,289,000			2,289,000
	Total	2,289,000	0	0	2,289,000

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Project Number: 40000360

Project Title: 2021-23 Protect Investments in Cleanup Remedies

SubProjects

SubProject Number: 40000362

SubProject Title: Lilyblad

	Future Fiscal Periods			
	2023-25	2025-27	2027-29	2029-31
23N-1 MTC Capital Account-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000363

SubProject Title: Time Oil Handy Andy 8

Starting Fiscal Year: 2022

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 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. (Model Toxics Control Capital Account)

Project Description

The Handy Andy site is a convenience store and gas station. 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. This included the operation of a groundwater recovery and treatment system. Time Oil subsequently filed for bankruptcy in May 2017 and the owners of Handy Andy are unable to perform remaining cleanup. This request continues the funding for operations, maintenance, and monitoring of the groundwater recovery and treatment system until a more permanent cleanup can be identified.

Proviso

N/A

Location

City: Vancouver

County: Clark

Legislative District: 049

Project Type

Grants

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Capital Project Request

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Project Number: 40000360

Project Title: 2021-23 Protect Investments in Cleanup Remedies

SubProjects

SubProject Number: 40000363

SubProject Title: Time Oil Handy Andy 8

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		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
23N-1	MTC Capital Account-State	360,000			360,000
	Total	360,000	0	0	360,000

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
23N-1	MTC Capital Account-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000364

SubProject Title: Circle K Station 1461

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/1/2020 3:35PM

Project Number: 40000360

Project Title: 2021-23 Protect Investments in Cleanup Remedies

SubProjects

SubProject Number: 40000364

SubProject Title: Circle K Station 1461

Starting Fiscal Year: 2022

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 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. (Model Toxics Control Capital Account)

Project Description

A petroleum plume from a former gas station has extended off-property beneath adjacent streets and residential properties. The existing Mixed Funding Consent Decree for this site requires Ecology to clean up contaminated soil and groundwater. The Remedial Investigation, Feasibility Study, and Cleanup Action Plan (CAP) were completed prior to the 2019-21 biennium. Ecology expects the engineering design and installation of pump and treat system will be complete by the end of 2019-21. New funds will be used to continue to operate, maintain, and monitor the pump and treatment system ensuring its continued effectiveness after construction completion.

Proviso

N/A

Location

City: Seattle

County: King

Legislative District: 043

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		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Reappropriations
23N-1	MTC Capital Account-State	500,000			500,000
Total		500,000	0	0	500,000

Capital Project Request

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Project Number: 40000360

Project Title: 2021-23 Protect Investments in Cleanup Remedies

SubProjects

SubProject Number: 40000364

SubProject Title: Circle K Station 1461

	Future Fiscal Periods			
	2023-25	2025-27	2027-29	2029-31
23N-1 MTC Capital Account-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000365

SubProject Title: Black Lake Grocery

Starting Fiscal Year: 2022

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 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. (Model Toxics Control Capital Account)

Project Description

Black Lake Grocery is an active gas station and convenience store. Soil and groundwater contamination resulted from multiple underground storage tanks, which have been removed. Contamination was found to remain adjacent to the site and a reactive barrier was built to prevent further contamination migration to Black Lake. The 2021-23 biennium funding will support another Interim Action to perform injection treatments and monitor groundwater to move the site toward final cleanup and closure.

Proviso

N/A

Location

City: Olympia

County: Thurston

Legislative District: 022

Project Type

Grants

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Capital Project Request

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Project Number: 40000360

Project Title: 2021-23 Protect Investments in Cleanup Remedies

SubProjects

SubProject Number: 40000365

SubProject Title: Black Lake Grocery

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriates	New Appropriates
23N-1	MTC Capital Account-State	894,000				894,000
	Total	894,000	0	0	0	894,000

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
23N-1	MTC Capital Account-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000366

SubProject Title: American Crossarm

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/1/2020 3:35PM

Project Number: 40000360

Project Title: 2021-23 Protect Investments in Cleanup Remedies

SubProjects

SubProject Number: 40000366

SubProject Title: American Crossarm

Starting Fiscal Year: 2022

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 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. (Model Toxics Control Capital Account)

Project Description

American Crossarm and Conduit, located in Chehalis, Washington, conducted woodcutting, milling, and treatment of electrical utility poles from early 1930s to 1985. As written in a Record of Decision (ROD) by US Environmental Protection Agency (EPA), soil, groundwater and surface water were contaminated with Pentachlorophenol (PCP), polynuclear aromatic hydrocarbons (PAHs) and dioxins and furans. The selected remedy in the ROD included: reduction of floating products on groundwater beneath the facility; off-site disposal of facility structures and most contaminated soil; and, containment of the remaining contaminated soil at the facility. The containment cap requires perpetual O&M to ensure it continues to function. Additionally, Ecology needs to install two new monitoring wells for groundwater.

Proviso

N/A

Location

City: Chehalis

County: Lewis

Legislative District: 020

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			2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
23N-1	MTC Capital Account-State	50,000				50,000
	Total	50,000	0	0	0	50,000

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Report Number: CBS002

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Project Number: 40000360

Project Title: 2021-23 Protect Investments in Cleanup Remedies

SubProjects

SubProject Number: 40000366

SubProject Title: American Crossarm

	Future Fiscal Periods			
	2023-25	2025-27	2027-29	2029-31
23N-1 MTC Capital Account-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000367

SubProject Title: Wyckoff ROD-A1 10% Match

Starting Fiscal Year: 2022

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 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. (Model Toxics Control Capital Account)

Project Description

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.

Proviso

N/A

Location

City: Bainbridge Island

County: Kitsap

Legislative District: 023

Project Type

Grants

461 - Department of Ecology

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

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Project Number: 40000360

Project Title: 2021-23 Protect Investments in Cleanup Remedies

SubProjects

SubProject Number: 40000367

SubProject Title: Wyckoff ROD-A1 10% Match

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		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Reappropriations
23N-1	MTC Capital Account-State	2,100,000			2,100,000
	Total	2,100,000	0	0	2,100,000

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
23N-1	MTC Capital Account-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000368

SubProject Title: Wyckoff OU1 Subtidal Sediments

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/1/2020 3:35PM

Project Number: 40000360

Project Title: 2021-23 Protect Investments in Cleanup Remedies

SubProjects

SubProject Number: 40000368

SubProject Title: Wyckoff OU1 Subtidal Sediments

Starting Fiscal Year: 2022

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 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. (Model Toxics Control Capital Account)

Project Description

The Operational & Functional determination - on the 55 acre of subtidal area of OU1 - by the US Environmental Protection Agency resulted in the transfer of the remediated subtidal areas to Ecology for long-term operations and maintenance. At a minimum, operations and maintenance work includes: monitoring to ensure the continued protectiveness of the subtidal caps and four buoys – no-mooring mark per the Operations, Monitoring and Maintenance Plan.

Proviso

N/A

Location

City: Bainbridge Island

County: Kitsap

Legislative District: 023

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
23N-1	MTC Capital Account-State	100,000				100,000
Total		100,000	0	0	0	100,000

Capital Project Request

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Project Number: 40000360

Project Title: 2021-23 Protect Investments in Cleanup Remedies

SubProjects

SubProject Number: 40000368

SubProject Title: Wyckoff OU1 Subtidal Sediments

	Future Fiscal Periods			
	2023-25	2025-27	2027-29	2029-31
23N-1 MTC Capital Account-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000369

SubProject Title: Tiki Car Wash

Starting Fiscal Year: 2022

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 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. (Model Toxics Control Capital Account)

Project Description

The Tiki Car Wash site in Bellevue contains a leaking underground storage tank (LUST). Ecology entered into a Mixed Funding Consent Decree for the site that requires Ecology to clean up contaminated soil and groundwater. The Remedial Investigation and Feasibility Study (RI/FS) and Cleanup Action Plan (CAP) were drafted several years ago. The requested funding will support filling existing data gaps and updating contamination information to finalizing the RI/FS prior to drafting the CAP and moving to engineering design.

Proviso

N/A

Location

City: Bellevue

County: King

Legislative District: 041

Project Type

Grants

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Capital Project Request

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Project Number: 40000360

Project Title: 2021-23 Protect Investments in Cleanup Remedies

SubProjects

SubProject Number: 40000369

SubProject Title: Tiki Car Wash

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		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Reappropriations
23N-1	MTC Capital Account-State	1,500,000			1,500,000
	Total	1,500,000	0	0	1,500,000

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
23N-1	MTC Capital Account-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000370

SubProject Title: Hamilton Labree Rd PCE

Capital Project Request

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Project Number: 40000360

Project Title: 2021-23 Protect Investments in Cleanup Remedies

SubProjects

SubProject Number: 40000370

SubProject Title: Hamilton Labree Rd PCE

Starting Fiscal Year: 2022

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 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. (Model Toxics Control Capital Account)

Project Description

The Hamilton Labree Rd PCE cleanup site, Operable Unit 1 (OU 1, Hamilton Road Impacted Area), is a US Environmental Protection Agency-led (EPA) Superfund cleanup. The source of the release is unknown. Ecology is a partner with EPA on the cleanup.

Cleanup of OU 1 is considered an interim action to treat and remove a perchloroethylene (PCE) source area on the site. The major components of the Selected Interim Remedy for OU1 include:

- Diversion of Berwick Creek around areas of high contamination
- In-situ thermal treatment of contaminated creek sediment and surrounding soil
- Enhanced in-situ bioremediation treatment of groundwater
- Institutional controls to prevent the use of contaminated groundwater as a drinking water source and minimize exposure to contaminated sediment, soil, and groundwater
- Restoration of Berwick Creek
- Monitoring to evaluate performance and protectiveness of the interim remedy

The cleanup began in Summer 2020, will operate primarily during the 2021-23 biennium, and take approximately 4 years to complete.

Proviso

N/A

Location

City: Chehalis

County: Lewis

Legislative District: 020

Project Type

Grants

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Project Number: 40000360

Project Title: 2021-23 Protect Investments in Cleanup Remedies

SubProjects

SubProject Number: 40000370

SubProject Title: Hamilton Labree Rd PCE

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriates	New Appropriates
23N-1	MTC Capital Account-State	1,500,000				1,500,000
	Total	1,500,000	0	0	0	1,500,000

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
23N-1	MTC Capital Account-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000437

SubProject Title: 2021-23 Protect Investments in Cleanup Remedies Ten-Year Plan

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Project Number: 40000360

Project Title: 2021-23 Protect Investments in Cleanup Remedies

SubProjects

SubProject Number: 40000437

SubProject Title: 2021-23 Protect Investments in Cleanup Remedies Ten-Year Plan

Starting Fiscal Year: 2022

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 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. (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		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
23N-1	MTC Capital Account-State	40,000,000			
	Total	40,000,000	0	0	0

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
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

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Project Number: 40000360

Project Title: 2021-23 Protect Investments in Cleanup Remedies

SubProjects

SubProject Number: 40000437

SubProject Title: 2021-23 Protect Investments in Cleanup Remedies Ten-Year Plan

Total one time start up and ongoing operating costs

Ecology 2021-23 Capital Budget Project List
Toxics Cleanup Program
Protect Remedies
8/13/2020



Purpose: This list provides project details about the 2021-23 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	Project Title	Project Description	Phase of Cleanup	Amount ('000s)	Site Address	City	County	Leg. District	Lat.	Long.
1	Wyckoff Treatment Plant	Ecology, in support of the US Environmental Protection Agency (EPA), has assumed interim responsibility for conducting operation and maintenance of the Wyckoff Groundwater Extraction and Treatment Plant since 2014, while EPA plans and implements a final permanent remedy. The treatment plant is aging, which requires more frequent and significant repairs and replacement of important parts of the facility (e.g., polymer feed pumps, transfer pumps, control board, new computers, UPS power supply batteries, flow meters, level transducers, and frequent electrical problems-repairs). We also anticipate increases in the plant's contractor labor rate, carbon- disposal cost, free-products disposal cost, utility bills, and other associated costs.	Operations or Maintenance and Monitoring	\$ 1,800	Creosote Pl NE	Bainbridge Island	Kitsap	23	47.62	-122.50
2	Lilyblad	Ecology is working with the consultant to prepare an updated, focused Feasibility Study to determine if the current Cleanup Action Plan will need to be revised. Ecology anticipates the report will be completed at the end of 2020. In the meantime, the remedial system, a dual phase extraction system, remains on site and may be restarted as needed to control offsite migration of the contaminants. The consultant also maintains the remedial system and conducts groundwater monitoring.	Operations or Maintenance and Monitoring	\$ 2,289	2244 Port of Tacoma Rd	Tacoma	Pierce	27	47.26	-122.39
3	Time Oil Handy Andy 8	The Handy Andy site is a convenience store and gas station. 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. This included the operation of a groundwater recovery and treatment system. Time Oil subsequently filed for bankruptcy in May 2017 and the owners of Handy Andy are unable to perform remaining cleanup. This request continues the funding for operations, maintenance, and monitoring of the groundwater recovery and treatment system until a more permanent cleanup can be identified.	Operations or Maintenance and Monitoring	\$ 360	3314 NW 44th St	Vancouver	Clark	49	45.65	-122.64
4	Circle K Station 1461	A petroleum plume from a former gas station has extended off-property beneath adjacent streets and residential properties. The existing Mixed Funding Consent Decree for this site requires Ecology to clean up contaminated soil and groundwater. The Remedial Investigation, Feasibility Study, and Cleanup Action Plan (CAP) were completed prior to the 2019-21 biennium. Ecology expects the engineering design and installation of pump and treat system will be complete by the end of 2019-21. New funds will be used to continue to operate, maintain, and monitor the pump and treatment system ensuring its continued effectiveness after construction completion.	Operations or Maintenance and Monitoring	\$ 500	2350 24th Ave E	Seattle	King	43	47.64	-122.30

Rank	Project Title	Project Description	Phase of Cleanup	Amount ('000s)	Site Address	City	County	Leg. District	Lat.	Long.
5	Black Lake Grocery	Black Lake Grocery is an active gas station and convenience store. Soil and groundwater contamination resulted from multiple underground storage tanks, which have been removed. Contamination was found to remain adjacent to the site and a reactive barrier was built to prevent further contamination migration to Black Lake. The 2021-23 biennium funding will support another Interim Action to perform injection treatments and monitor groundwater to move the site toward final cleanup and closure.	Operations or Maintenance and Monitoring	\$ 894	4409 Black Lake Blvd SW	Olympia	Thurston	35	47.01	-122.98
6	American Crossarm	American Crossarm and Conduit, located in Chehalis, Washington, conducted woodcutting, milling, and treatment of electrical utility poles from early 1930s to 1985. As written in a Record of Decision (ROD) by US Environmental Protection Agency (EPA), soil, groundwater and surface water were contaminated with Pentachlorophenol (PCP), polynuclear aromatic hydrocarbons (PAHs) and dioxins and furans. The selected remedy in the ROD included: reduction of floating products on groundwater beneath the facility; off-site disposal of facility structures and most contaminated soil; and, containment of the remaining contaminated soil at the facility. The containment cap requires perpetual O&M to ensure it continues to function. Additionally, Ecology needs to install two new monitoring wells for groundwater.	Operations or Maintenance and Monitoring	\$ 50	100 Chehalis Ave SW	Chehalis	Lewis	20	46.66	-122.97
7	Wyckoff ROD-A1 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.	Cleanup Construction	\$ 2,100	Creosote Pl NE	Bainbridge Island	Kitsap	23	47.62	-122.50
8	Wyckoff OU1 Subtidal Sediments	The Operational & Functional determination - on the 55 acre of subtidal area of OU1 - by the US Environmental Protection Agency resulted in the transfer of the remediated subtidal areas to Ecology for long-term operations and maintenance. At a minimum, operations and maintenance work includes: monitoring to ensure the continued protectiveness of the subtidal caps and four buoys – no-mooring mark per the Operations, Monitoring and Maintenance Plan.	Operations or Maintenance and Monitoring	\$ 100	Creosote Pl NE	Bainbridge Island	Kitsap	23	47.62	-122.50
9	Tiki Car Wash	The Tiki Car Wash site in Bellevue contains a leaking underground storage tank (LUST). Ecology entered into a Mixed Funding Consent Decree for the site that requires Ecology to clean up contaminated soil and groundwater. The Remedial Investigation and Feasibility Study (RI/FS) and Cleanup Action Plan (CAP) were drafted several years ago. The requested funding will support filling existing data gaps and updating contamination information to finalizing the RI/FS prior to drafting the CAP and moving to engineering design.	Engineering Design	\$ 1,500	11909 NE 8th St.	Bellevue	King	41	47.62	-122.18

Rank	Project Title	Project Description	Phase of Cleanup	Amount ('000s)	Site Address	City	County	Leg. District	Lat.	Long.
10	Hamilton Labree Rd PCE	<p>The Hamilton Labree Rd PCE cleanup site, Operable Unit 1 (OU 1, Hamilton Road Impacted Area), is a US Environmental Protection Agency-led (EPA) Superfund cleanup. The source of the release is unknown. Ecology is a partner with EPA on the cleanup.</p> <p>Cleanup of OU 1 is considered an interim action to treat and remove a perchloroethylene (PCE) source area on the site. The major components of the Selected Interim Remedy for OU1 include:</p> <ul style="list-style-type: none"> • Diversion of Berwick Creek around areas of high contamination • In-situ thermal treatment of contaminated creek sediment and surrounding soil • Enhanced in-situ bioremediation treatment of groundwater • Institutional controls to prevent the use of contaminated groundwater as a drinking water source and minimize exposure to contaminated sediment, soil, and groundwater • Restoration of Berwick Creek • Monitoring to evaluate performance and protectiveness of the interim remedy <p>The cleanup began in Summer 2020, will operate primarily during the 2021-23 biennium, and take approximately 4 years to complete.</p>	Cleanup Construction	\$ 1,500	169 Labree Rd	Chehalis	Lewis	20	46.62	-122.93
Total:				\$ 11,093						

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Capital Project Request

2021-23 Biennium

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Report Number: CBS002

Date Run: 9/3/2020 11:05AM

Project Number: 40000304

Project Title: 2021-23 Remedial Action Grant Program

Description

Starting Fiscal Year: 2022

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 and actual spending requirements for the 2021-23 Biennium. RAGs support cleanup at contaminated industrial sites that impact 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 redevelopment by allowing contaminated properties to be redeveloped, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description**What is the proposed project?**

Ecology is requesting \$61,800,000 for the Remedial Action Grant (RAG) Program. Ecology's primary tool for helping local governments clean up contaminated sites is the RAG program. The purpose of this program is to expedite cleanup and redevelopment of contaminated sites and ease the financial impact of cleanup on local ratepayers and taxpayers. The funding is intended to 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 2021-23 local government toxic site cleanup needs. Local governments self-reported an estimated total state share need of \$84 million for the 2021-23 Biennium. Ecology will publish the 2020 Model Toxics Control Act (MTCA) Accounts Ten-Year Financing Report in September 2020. The report will provide a long-term view of cleanup needs.

Local governments need financial certainty for cleanup project development to ensure existing projects are completed as envisioned. This also ensures new projects can be planned and designed to maximize environmental and public health improvements and economic development opportunities.

There are four categories of grants included in this 2021-23 request:

1. Oversight RAGs 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 (maximum) 75 percent of the eligible project costs, depending on the economic status of the community.

2. Area-wide Groundwater Investigation Grants provide funding to local governments to facilitate redevelopment within their jurisdiction by conducting a study of the groundwater in a limited geographic area that has groundwater contamination caused

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Project Number: 40000304

Project Title: 2021-23 Remedial Action Grant Program

Description

by multiple sites. Ecology may fund up to 100 percent of the eligible project costs, up to \$500,000.

3. Independent RAGs provide funding to local governments that investigate and clean up contaminated sites independently under Ecology's Voluntary Cleanup Program. For these grants, Ecology funds 50 to (maximum) 75 percent of the eligible project costs, depending on the economic status of the community.

4. Integrated Planning Grants provide funding to conduct assessments of contaminated sites and develop integrated project plans for their cleanup and reuse. Ecology may fund up to 100 percent of the eligible project costs.

Ecology has reviewed the projects and are ready to proceed according to the MTCA regulatory process. MTCA's cleanup process 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, that are in construction, that have permits or are in the permitting process, where design is complete or underway, or that are under contract.

In 2013, Second Engrossed Substitute Senate Bill 5296 (2ESSB 5296) made a number of changes to MTCA. This led Ecology to revise the RAG rule, which took effect on September 29, 2014 (Chapter 173-322A WAC). During the RAG rulemaking process, the agency developed site selection and prioritization criteria in consultation with our stakeholders. Beginning in March 2020, Ecology's process to apply these criteria followed three major activities:

1. Solicited projects from local governments and jurisdictions. In March 2020, Ecology opened a statewide project solicitation and notified jurisdictions that might own contaminated sites. The agency alerted them they could be responsible for investigation and cleanup of those sites, and they might be eligible for funding through the RAG Program to help pay for those 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. Ecology 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

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the project's funding needs within the biennium.

3. Developed and implemented a ranking/prioritization process. The following steps describe the prioritization process Ecology used for oversight remedial action grants. Prioritization for other grant types followed the same general process.

Step 1. Ecology grouped all projects into three categories according to the funding priorities outlined in rule (WAC 173-322A-210).

a. Oversight remedial action grants and loans under an existing extended grant agreement. For 2021-23, this category did not include any projects, because Ecology has not entered any extended grant agreements.

b. Site assessment grants and other remedial action grants and loans for previously funded projects, provided substantial progress has been made. This category includes any ongoing projects that have been receiving RAG funding. Site assessments are not a grant category for the 2021-23 Biennium. Ecology discontinued the local health department Site Hazard Assessment grant program in 2017-19 due to funding uncertainty in the capital budget created by a MTCA revenue shortfall.

c. Remedial action grants and loans for new projects.

Step 2. Ecology ranked the projects within the two applicable funding priority categories (b and c, above) and applied eight funding prioritization factors noted below. The resulting ranks were based on both the local governments' "self-reported" information and Ecology's staff review of scorecards developed to evaluate the prioritization factors found in the RAG rule (WAC 173-322A).

a. The threat posed by the hazardous waste site to human health and the environment.

b. The hazardous waste site land reuse potential.

c. Whether the local government is a prospective purchaser of a brownfield property within a Redevelopment Opportunity Zone.

d. The ability of the grant to expedite cleanup of the hazardous waste site.

e. The readiness of the applicant to start and complete the work.

f. The ability of the grant to leverage other public or private funding.

g. The distribution of grants throughout the state and to various types and sizes of local governments.

h. Whether the hazardous waste site is located within a highly impacted community.

In addition, Engrossed Substitute Senate Bill (ESSB 5993) was passed in the 2019 Legislative Session and reformed the funding structure of the Model Toxics Control Act accounts. One of the changes includes a requirement that Ecology only award RAGs for a remedial action if the local government has obtained all of the required permits within one year of the effective date of the enacted budget (Chapter 422, Laws of 2019, Section 203(5)). Ecology has reviewed its project list and ensured projects are ready to proceed under this new requirement.

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 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; and preserving farmland.

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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 261 jobs during the next two years based on Office of Financial Management estimates.

What are the effects of non-funding?

The RAG program is well established for 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. 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.

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.

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 Model Toxics Control Capital Account (MTCA-Capital) as one of the top priorities under RCW 70.105D.200. Funding this request with MTCA-Capital is the best option, because it will continue cleanup investments that protect human health and natural resources, and support economic redevelopment in Washington.

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.

What is the agency's proposed funding strategy for the project?

Ecology requests funding from the Model Toxics Control Capital Account (MTCA-Capital) for this project. The use of MTCA-Capital funds for this project is consistent with the purposes of MTCA, Chapter 70.105D RCW and the MTCA-Capital

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Account, RCW 70.105D.200, 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.

Every two years, Ecology is required to provide the Legislature with a comprehensive report: "Model Toxics Control Accounts (MTCA) Ten-Year Financial Report." Ecology produces this report in coordination with local governments that have cleanup responsibilities. It identifies the projected financial needs to cleanup up contaminated sites that are eligible for funding from the Model Toxics Control Capital Account. The MTCA 2018 10-Year Financing Report is available here: <https://fortress.wa.gov/ecy/publications/SummaryPages/1809052.html>.

The MTCA Ten-Year Financing Report describes how we plan to spend funds to clean up sites in the upcoming biennium and the next ten years. Ecology produces this report during even-numbered years.

Its companion report, the MTCA Biennial Report of Expenditures, describes how cleanup funds were spent over the previous biennium. Ecology produces the Biennial Report of Expenditures during odd-numbered years. Find the 2019 Biennial Report online at <https://fortress.wa.gov/ecy/publications/SummaryPages/1909045.html>.

Are FTEs required to support this project?

This request will require a total of 4.03 FTEs dedicated to grant management, cash management, and capital budget coordination for Ecology. This is consistent with staffing level for the 2019-21 Biennium. The RAG program administers approximately 90 grants.

The grant managers are responsible for grant writing, invoice review and approval, and grant status reporting. 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 agency-wide projects. This includes their input and review of policy documents and helping manage Ecology's grant and loan system. 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 implementing Ecology's strategic plan goal to Prevent and Reduce Toxic Threats and Pollution, by cleaning up contaminated sites to protect human health and the environment. It also contributes resources to continue activity A005, Clean Up the Most Contaminated Sites First (Upland and Aquatic).

The request is also essential in supporting the Governor's Energy and Environment priority issues because it invests funds to clean up contaminated sites and protect public health and natural resources. This request supports Results Washington Goal 3, Sustainable Energy and a Clean Environment, by cleaning up and managing contaminated sites that pose threats to public health, the environment, groundwater, and fish and wildlife resources.

It also supports Results Washington Goal 2, Prosperous Economy, by creating and supporting jobs and making it possible to redevelop previously contaminated land to support economic growth in communities.

This request supports Governor Inslee's Executive Order 18-22, Southern Resident Killer Whale Recovery and Task Force, by reducing the legacy toxic contaminants in Puget Sound. The Order lists toxic contaminants as one of the three primary factors threatening the Southern Resident orca population.

- Reduce stormwater threats and accelerate cleanup to toxics harmful to orcas.

This request supports Puget Sound Action Agenda implementation through Ongoing Program OGP_ECY23: Toxic Cleanup Program - Remedial Action Grant Program (Department of Ecology) and is linked to the following Regional Priorities, Strategies, and Sub-strategies:

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- Regional Priority TIF 1.1: Enhance pollutant reduction programs and corrective measures, and increase authorities and programs to prevent toxic chemicals from entering Puget Sound. By cleaning up toxic legacy pollutants, Ecology prevents these damaging chemicals from entering the Puget Sound and other potential routes for exposure.
- Regional Priority TIF 3.1: Provide the infrastructure and incentives to accommodate new development and redevelopment within designated urban centers in Urban Growth Areas. By cleaning up brownfield properties, Ecology helps to incentivize growth within Urban Growth Areas.
- Strategy 9: Prevent, reduce, and control the sources of contaminants entering Puget Sound.
 - Sub-strategy 9.1: Implement and strengthen authorities and programs to prevent toxic chemicals from entering the Puget Sound ecosystem.
- Strategy 10: Use a comprehensive approach to manage urban stormwater runoff at the site and landscape scales.
 - Sub-strategy 10.3: Fix problems caused by existing development.
 - Sub-strategy 10.4: Control sources of pollutants.
- Strategy 21: Address and clean up cumulative water pollution impacts in Puget Sound.
 - Sub-strategy 21.2: Clean up contaminated sites within and near Puget Sound by reducing and controlling the sources of pollution.

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 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 this request is funded.

What is the impact on the state operating budget?

None.

Proviso

N/A

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Grants

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Project Title: 2021-23 Remedial Action Grant Program

Description

Grant Recipient Organization: Local Government

RCW that establishes grant: Chapter 70.105D 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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
23N-1	MTC Capital Account-State	326,600,000				61,800,000
	Total	326,600,000	0	0	0	61,800,000

Future Fiscal Periods

	Account Title	2023-25	2025-27	2027-29	2029-31
23N-1	MTC Capital Account-State	66,200,000	66,200,000	66,200,000	66,200,000
	Total	66,200,000	66,200,000	66,200,000	66,200,000

Operating Impacts

No Operating Impact

Narrative

N/A

SubProjects

SubProject Number: 40000305

SubProject Title: Remediation and Clean-up Grant request for Yakima City Landfill I

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Project Title: 2021-23 Remedial Action Grant Program

SubProjects

SubProject Number: 40000305

SubProject Title: Remediation and Clean-up Grant request for Yakima City Landfill I

Starting Fiscal Year: 2022

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 and actual spending requirements for the 2021-23 Biennium. RAGs support cleanup at contaminated industrial sites that impact 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 redevelopment by allowing contaminated properties to be redeveloped, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

The City of Yakima Landfill used this former Boise Cascade Mill log pond as a landfill from 1963 to 1972. Previous investigations have included the assessment of the types of solid waste buried in the landfill, and an initial assessment of the impact of this waste on the soils, groundwater, surface water, and soil gases in the immediate area of the landfill. Cleanup of the landfill property is important to the City's plans to construct an east-west traffic corridor. Grant funding will be used to remove Municipal Solid Waste (MSW) under the future road corridor and install a Landfill Gas (LFG) barrier.

Proviso

N/A

Location

City: Yakima

County: Yakima

Legislative District: 015

Project Type

Grants

Grant Recipient Organization: Local Government

RCW that establishes grant: Chapter 70.105D 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.

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Project Title: 2021-23 Remedial Action Grant Program

SubProjects

SubProject Number: 40000305

SubProject Title: Remediation and Clean-up Grant request for Yakima City Landfill I

Funding

Acct Code	Account Title	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
23N-1	MTC Capital Account-State	3,000,000			3,000,000
	Total	3,000,000	0	0	3,000,000

Future Fiscal Periods

	2023-25	2025-27	2027-29	2029-31
23N-1 MTC Capital Account-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000306

SubProject Title: Seaport Landing/Former Weyerhaeuser Aberdeen Sawmill

Starting Fiscal Year: 2022

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 and actual spending requirements for the 2021-23 Biennium. RAGs support cleanup at contaminated industrial sites that impact 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 redevelopment by allowing contaminated properties to be redeveloped, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

Contamination including metals, petroleum, hydrogen sulfide, and dioxins exists on the site from wood products processing. A Remedial Investigation and Feasibility Study are in process, and this grant will fund planning and implementation of a Cleanup Action Plan. The Grays Harbor Historic Seaport Authority, working with local governments, has plans for a first-class destination waterfront on the site following cleanup.

Proviso

N/A

Location

City: Aberdeen

County: Grays Harbor

Legislative District: 019

Project Type

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Project Title: 2021-23 Remedial Action Grant Program

SubProjects

Project Type

SubProject Number: 40000306

SubProject Title: Seaport Landing/Former Weyerhaeuser Aberdeen Sawmill
Grants

Grant Recipient Organization: Local Government

RCW that establishes grant: Chapter 70.105D 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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
23N-1	MTC Capital Account-State	2,034,000				2,034,000
	Total	2,034,000	0	0	0	2,034,000

Future Fiscal Periods

	2023-25	2025-27	2027-29	2029-31
23N-1 MTC Capital Account-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000307

SubProject Title: Rock Island Redevelopment

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Project Number: 40000304

Project Title: 2021-23 Remedial Action Grant Program

SubProjects

SubProject Number: 40000307

SubProject Title: Rock Island Redevelopment

Starting Fiscal Year: 2022

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 and actual spending requirements for the 2021-23 Biennium. RAGs support cleanup at contaminated industrial sites that impact 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 redevelopment by allowing contaminated properties to be redeveloped, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

This site is located on the Columbia River immediately south of downtown Rock Island. Two large smelter buildings remain at the site. The confirmed presence of toxic and carcinogenic contaminants at the former silicon smelter present risks to local residents and the environment. Grant funding will be used to plan for cleanup and site redevelopment.

Proviso

N/A

Location

City: Rock Island

County: Douglas

Legislative District: 012

Project Type

Grants

Grant Recipient Organization: Local Government

RCW that establishes grant: Chapter 70.105D 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	Expenditures			2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reappropriations	New Appropriations
23N-1	MTC Capital Account-State	750,000				750,000
	Total	750,000	0	0	0	750,000

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Project Title: 2021-23 Remedial Action Grant Program

SubProjects

SubProject Number: 40000307

SubProject Title: Rock Island Redevelopment

	Future Fiscal Periods			
	2023-25	2025-27	2027-29	2029-31
23N-1 MTC Capital Account-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000308

SubProject Title: Albert Jensen & Sons Inc.

Starting Fiscal Year: 2022

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 and actual spending requirements for the 2021-23 Biennium. RAGs support cleanup at contaminated industrial sites that impact 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 redevelopment by allowing contaminated properties to be redeveloped, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

The site was developed 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, complete a cultural resources survey, perform a Remedial Investigation/Feasibility Study, prepare a Draft Cleanup Action Plan, complete work plans, engineering design, permitting and completion of interim action(s), and prepare for remedy implementation and long-term monitoring in subsequent biennia.

Proviso

N/A

Location

City: Friday Harbor

County: San Juan

Legislative District: 040

Project Type

Grants

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Project Title: 2021-23 Remedial Action Grant Program

SubProjects

SubProject Number: 40000308

SubProject Title: Albert Jensen & Sons Inc.

Grant Recipient Organization: Local Government

RCW that establishes grant: Chapter 70.105D 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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
23N-1	MTC Capital Account-State	1,201,000				1,201,000
	Total	1,201,000	0	0	0	1,201,000
Future Fiscal Periods						
		<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>	
23N-1	MTC Capital Account-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

SubProject Number: 40000309

SubProject Title: Former Northern State Hospital

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Project Number: 40000304

Project Title: 2021-23 Remedial Action Grant Program

SubProjects

SubProject Number: 40000309

SubProject Title: Former Northern State Hospital

Starting Fiscal Year: 2022

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 and actual spending requirements for the 2021-23 Biennium. RAGs support cleanup at contaminated industrial sites that impact 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 redevelopment by allowing contaminated properties to be redeveloped, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

The Northern State Hospital is a former state-owned hospital that became contaminated with metals, petroleum products, and other contaminants. The Port of Skagit County is currently conducting a Remedial Investigation/Feasibility Study. Funding would support work to complete additional site assessment (if necessary), clean up contamination, and conduct post-construction monitoring. The project would transform this blighted, underutilized property into a center for innovation and technology. Site cleanup will help protect salmon-bearing streams located on the property from potential exposure resulting from contamination spread, while redevelopment will help support the local economy.

Proviso

N/A

Location

City: Sedro-Woolley

County: Skagit

Legislative District: 039

Project Type

Grants

Grant Recipient Organization: Local Government

RCW that establishes grant: Chapter 70.105D 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.

Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 11:05AM

Project Number: 40000304

Project Title: 2021-23 Remedial Action Grant Program

SubProjects

SubProject Number: 40000309

SubProject Title: Former Northern State Hospital

Funding

Acct Code	Account Title	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
23N-1	MTC Capital Account-State	702,000			702,000
	Total	702,000	0	0	702,000

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
23N-1	MTC Capital Account-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000310

SubProject Title: Cornwall Avenue Landfill

Starting Fiscal Year: 2022

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 and actual spending requirements for the 2021-23 Biennium. RAGs support cleanup at contaminated industrial sites that impact 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 redevelopment by allowing contaminated properties to be redeveloped, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

The Cornwall Avenue Landfill is located on the Bellingham waterfront. It consists of about 16 acres of contaminated upland and shoreline sediment, reflecting municipal and industrial waste dumped into Bellingham Bay in the 1950s and 60s. A legal agreement between the State and Port of Bellingham (Port) requires design and construction of the Cleanup Action. The Cornwall site overlaps with the adjacent RG Haley former wood treatment site. Therefore, cleanup construction for both sites must occur simultaneously to ensure a successful cleanup. A final Cleanup Action Plan (CAP) has been completed. Grant funds will support the Port in completing engineering design, permitting, and construction consistent with the CAP. Cleanup of this former landfill site will allow the City of Bellingham to redevelop the Cornwall and Haley sites into a public park as part of their Bellingham Waterfront Redevelopment initiative, while reducing exposure of contaminants to the public and aquatic species in Bellingham Bay, including endangered salmon species.

Proviso

N/A

Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 11:05AM

Project Number: 40000304

Project Title: 2021-23 Remedial Action Grant Program

SubProjects**Location**

SubProject Number: 40000310

SubProject Title: Cornwall Avenue Landfill

Location

City: Bellingham

County: Whatcom

Legislative District: 040

Project Type

Grants

Grant Recipient Organization: Local Government

RCW that establishes grant: Chapter 70.105D 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	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
23N-1	MTC Capital Account-State	2,010,000			2,010,000
	Total	2,010,000	0	0	2,010,000

Future Fiscal Periods

Acct Code	Account Title	2023-25	2025-27	2027-29	2029-31
23N-1	MTC Capital Account-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000311

SubProject Title: R.G. Haley International Corporation Site

Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 11:05AM

Project Number: 40000304

Project Title: 2021-23 Remedial Action Grant Program

SubProjects

SubProject Number: 40000311

SubProject Title: R.G. Haley International Corporation Site

Starting Fiscal Year: 2022

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 and actual spending requirements for the 2021-23 Biennium. RAGs support cleanup at contaminated industrial sites that impact 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 redevelopment by allowing contaminated properties to be redeveloped, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

The R.G. Haley International Corporation Site (Site) became contaminated as a result of historic wood treatment industrial activities. The Site is located on the shore of Bellingham Bay and contains a large area of contaminated shoreline and sediment. The Site is highly contaminated with bioaccumulative chemicals and is one of the high priority sites to address in Bellingham Bay. A Final Cleanup Action Plan has been completed. Engineering Design is currently in progress. Requested funds will be used to conduct cleanup activities at the Site in conjunction with the adjoining Cornwall Avenue Landfill site. Site cleanup would reduce contaminant exposure to the public, wildlife species, and the environment, while allowing the City of Bellingham to redevelop the Site as a public waterfront park as part of their Bellingham Waterfront Redevelopment initiative, including potential economic development opportunities.

Proviso

N/A

Location

City: Bellingham

County: Whatcom

Legislative District: 040

Project Type

Grants

Grant Recipient Organization: Local Government

RCW that establishes grant: Chapter 70.105D 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.

Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 11:05AM

Project Number: 40000304

Project Title: 2021-23 Remedial Action Grant Program

SubProjects

SubProject Number: 40000311

SubProject Title: R.G. Haley International Corporation Site

Funding

Acct Code	Account Title	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
23N-1	MTC Capital Account-State	6,122,000			6,122,000
	Total	6,122,000	0	0	6,122,000

Future Fiscal Periods

	2023-25	2025-27	2027-29	2029-31
23N-1 MTC Capital Account-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000312

SubProject Title: East Waterway - Oversight

Starting Fiscal Year: 2022

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 and actual spending requirements for the 2021-23 Biennium. RAGs support cleanup at contaminated industrial sites that impact 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 redevelopment by allowing contaminated properties to be redeveloped, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

To clean up remaining in-water contaminants, Ecology entered into Agreed Orders with the Potentially Liable Parties: Kimberly Clark, the Port of Everett, and the Department of Natural Resources to research and identify hazardous substances at the East Waterway Site. This includes upland sources that could potentially release contaminants to the in-water area. Any such in-water contaminants identified will be addressed under a draft Remedial Investigation/Feasibility Study (RI/FS) and Draft Cleanup Action Plan. Potential upland sources of contamination to the East Waterway will be addressed under a separate Agreed Order(s). The RI/FS will identify the types, locations and amounts of contaminants including upland sources that could potentially release contaminants to the in-water area. It will also identify cleanup action alternatives for those contaminants in the in-water area.

Proviso

N/A

Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 11:05AM

Project Number: 40000304

Project Title: 2021-23 Remedial Action Grant Program

SubProjects**Location**

SubProject Number: 40000312

SubProject Title: East Waterway - Oversight

Location

City: Everett

County: Snohomish

Legislative District: 038

Project Type

Grants

Grant Recipient Organization: Local Government

RCW that establishes grant: Chapter 70.105D 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	Expenditures			2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reappropriates	New Appropriates
23N-1	MTC Capital Account-State	250,000				250,000
	Total	250,000	0	0	0	250,000

Future Fiscal Periods

	2023-25	2025-27	2027-29	2029-31
23N-1 MTC Capital Account-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000313

SubProject Title: Central Waterfront

Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 11:05AM

Project Number: 40000304

Project Title: 2021-23 Remedial Action Grant Program

SubProjects

SubProject Number: 40000313

SubProject Title: Central Waterfront

Starting Fiscal Year: 2022

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 and actual spending requirements for the 2021-23 Biennium. RAGs support cleanup at contaminated industrial sites that impact 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 redevelopment by allowing contaminated properties to be redeveloped, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

The Central Waterfront Site (Site) is contaminated by a variety of historic industrial activities, including a municipal landfill. This fifty-five acre upland Site is adjacent to Puget Sound and is within the Bellingham Waterfront Redevelopment Opportunity Zone. A Final Cleanup Action Plan has been completed. Grant funds will be used to complete engineering design, permitting and cleanup construction. Site cleanup will protect the public and Puget Sound from the risks of contaminant exposure and their associated impacts and is an important component of the Port/City planned redevelopment and their local economy.

Proviso

N/A

Location

City: Bellingham

County: Whatcom

Legislative District: 042

Project Type

Grants

Grant Recipient Organization: Local Government

RCW that establishes grant: Chapter 70.105D 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.

Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 11:05AM

Project Number: 40000304

Project Title: 2021-23 Remedial Action Grant Program

SubProjects

SubProject Number: 40000313

SubProject Title: Central Waterfront

Funding

Acct Code	Account Title	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
23N-1	MTC Capital Account-State	1,108,000			1,108,000
	Total	1,108,000	0	0	1,108,000

Future Fiscal Periods

	Account Title	2023-25	2025-27	2027-29	2029-31
23N-1	MTC Capital Account-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000314

SubProject Title: Harris Avenue Shipyard

Starting Fiscal Year: 2022

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 and actual spending requirements for the 2021-23 Biennium. RAGs support cleanup at contaminated industrial sites that impact 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 redevelopment by allowing contaminated properties to be redeveloped, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

Harris Avenue Shipyard is a 10-acre upland and in-water sediment Site located on the Bellingham Bay waterfront. The Site is contaminated with metals, petroleum products, and polychlorinated biphenyls (PCB), from historic shipbuilding and maintenance activities. Approximately one third of the overall Site was cleaned up as an Interim Action in 2018. A Remedial Investigation/Feasibility Study (RI/FS) was completed and finalized in 2019. A Draft Cleanup Action Plan (DCAP) has been prepared for the Site that should be finalized by the end of 2020. Funds will support implementation of the Final Cleanup, which requires engineering design, permitting, construction, and compliance monitoring. Site cleanup will help protect the public and the environment, including sensitive habitats in Puget Sound.

Proviso

N/A

Location

461 - Department of Ecology Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 11:05AM

Project Number: 40000304

Project Title: 2021-23 Remedial Action Grant Program

SubProjects

Location

SubProject Number: 40000314

SubProject Title: Harris Avenue Shipyard

City: Bellingham

County: Whatcom

Legislative District: 040

Project Type

Grants

Grant Recipient Organization: Local Government

RCW that establishes grant: Chapter 70.105D 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	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
23N-1	MTC Capital Account-State	5,820,000			5,820,000
	Total	5,820,000	0	0	5,820,000

Future Fiscal Periods

	2023-25	2025-27	2027-29	2029-31
23N-1 MTC Capital Account-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000315

SubProject Title: Alexander Avenue Petroleum Tank Facilities

Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 11:05AM

Project Number: 40000304

Project Title: 2021-23 Remedial Action Grant Program

SubProjects

SubProject Number: 40000315

SubProject Title: Alexander Avenue Petroleum Tank Facilities

Starting Fiscal Year: 2022

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 and actual spending requirements for the 2021-23 Biennium. RAGs support cleanup at contaminated industrial sites that impact 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 redevelopment by allowing contaminated properties to be redeveloped, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

Petroleum contamination from historic bulk storage facilities exists in soil and groundwater and discharges to Commencement Bay. The Port of Tacoma will complete a Feasibility Study and Draft Cleanup Action Plan in 2020 and this grant will fund cleanup construction. Following cleanup, the Port will use the site for industrial purposes.

Proviso

N/A

Location

City: Tacoma

County: Pierce

Legislative District: 027

Project Type

Grants

Grant Recipient Organization: Local Government

RCW that establishes grant: Chapter 70.105D 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	Expenditures			2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reappropriations	New Appropriations
23N-1	MTC Capital Account-State	1,150,000				1,150,000
	Total	1,150,000	0	0	0	1,150,000

461 - Department of Ecology Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 11:05AM

Project Number: 40000304

Project Title: 2021-23 Remedial Action Grant Program

SubProjects

SubProject Number: 40000315

SubProject Title: Alexander Avenue Petroleum Tank Facilities

	Future Fiscal Periods			
	2023-25	2025-27	2027-29	2029-31
23N-1 MTC Capital Account-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000316

SubProject Title: Quiet Cove

Starting Fiscal Year: 2022

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 and actual spending requirements for the 2021-23 Biennium. RAGs support cleanup at contaminated industrial sites that impact 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 redevelopment by allowing contaminated properties to be redeveloped, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

The Quiet Cove property is located in Anacortes, Washington, and is currently used primarily as storage, as well as leased office and warehouse space to various tenants for marine-related sales and services. Agreed Order work began in 2016, with an upland Interim Action in progress and projected for completion in 2020. The requested funding is needed will support the Final Cleanup Remedy, including final design, construction, and monitoring.

Proviso

N/A

Location

City: Anacortes

County: Skagit

Legislative District: 040

Project Type

Grants

Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 11:05AM

Project Number: 40000304

Project Title: 2021-23 Remedial Action Grant Program

SubProjects

SubProject Number: 40000316

SubProject Title: Quiet Cove

Grant Recipient Organization: Local Government

RCW that establishes grant: Chapter 70.105D 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	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
23N-1	MTC Capital Account-State	612,000			612,000
	Total	612,000	0	0	612,000

Future Fiscal Periods

	2023-25	2025-27	2027-29	2029-31
23N-1 MTC Capital Account-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000317

SubProject Title: Colbert Landfill 1,4-Dioxane Risk Evaluation

Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 11:05AM

Project Number: 40000304

Project Title: 2021-23 Remedial Action Grant Program

SubProjects

SubProject Number: 40000317

SubProject Title: Colbert Landfill 1,4-Dioxane Risk Evaluation

Starting Fiscal Year: 2022

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 and actual spending requirements for the 2021-23 Biennium. RAGs support cleanup at contaminated industrial sites that impact 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 redevelopment by allowing contaminated properties to be redeveloped, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

Two distinct aquifers beneath the Colbert landfill were found to be contaminated with volatile organic compounds. This project will allow Spokane County to conduct a large-scale risk evaluation for the 1,4-dioxane contaminant. Spokane County shut down the pump-and-treat remediation system at the Colbert Landfill in 2014, which redirected groundwater flow to pre-pumping conditions. A large-scale risk evaluation is imperative because no 1,4-dioxane evaluations have been conducted since the shutdown to assess the current threat to public health and the environment.

Proviso

N/A

Location

City: Unincorporated

County: Spokane

Legislative District: 004

Project Type

Grants

Grant Recipient Organization: Local Government

RCW that establishes grant: Chapter 70.105D 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.

Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 11:05AM

Project Number: 40000304

Project Title: 2021-23 Remedial Action Grant Program

SubProjects

SubProject Number: 40000317

SubProject Title: Colbert Landfill 1,4-Dioxane Risk Evaluation

Funding

Acct Code	Account Title	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
23N-1	MTC Capital Account-State	18,000			18,000
	Total	18,000	0	0	18,000

Future Fiscal Periods

	2023-25	2025-27	2027-29	2029-31
23N-1 MTC Capital Account-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000318

SubProject Title: Arkema Interim Action

Starting Fiscal Year: 2022

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 and actual spending requirements for the 2021-23 Biennium. RAGs support cleanup at contaminated industrial sites that impact 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 redevelopment by allowing contaminated properties to be redeveloped, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

The Arkema site is contaminated with metals, arsenic, and other contaminants in soil, groundwater, and sediments from a former chemical research and storage facility. Grant funding will support source removal to reduce arsenic contamination to Hylebos Waterway as well as long-term monitoring. Following cleanup, the Port will use the site for industrial purposes.

Proviso

N/A

Location

City: Tacoma

County: Pierce

Legislative District: 027

Project Type

Grants

Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 11:05AM

Project Number: 40000304

Project Title: 2021-23 Remedial Action Grant Program

SubProjects

SubProject Number: 40000318

SubProject Title: Arkema Interim Action

Grant Recipient Organization: Local Government

RCW that establishes grant: Chapter 70.105D 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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriates	New Appropriates
23N-1	MTC Capital Account-State	2,000,000				2,000,000
	Total	2,000,000	0	0	0	2,000,000

Future Fiscal Periods

		2023-25	2025-27	2027-29	2029-31
23N-1	MTC Capital Account-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000319

SubProject Title: March Point / Whitmarsh Landfill Reclamation Project

Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 11:05AM

Project Number: 40000304

Project Title: 2021-23 Remedial Action Grant Program

SubProjects

SubProject Number: 40000319

SubProject Title: March Point / Whitmarsh Landfill Reclamation Project

Starting Fiscal Year: 2022

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 and actual spending requirements for the 2021-23 Biennium. RAGs support cleanup at contaminated industrial sites that impact 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 redevelopment by allowing contaminated properties to be redeveloped, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

Whitmarsh Landfill was used as an unregulated landfill. In 2009, Skagit County entered into an Agreed Order with Ecology. Skagit County formed a PLP group to complete the Remedial Investigation/Feasibility Study in 2017 and prepare the Draft Cleanup Action Plan. Based on this work, it has been determined that the preferred remedy to the site is installation of a cap over the landfill. Habitat restoration would also be done along the shoreline.

Location

City: Anacortes

County: Skagit

Legislative District: 040

Project Type

Grants

Grant Recipient Organization: Local Government

RCW that establishes grant: Chapter 70.105D 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	Expenditures			2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reappropriations	New Appropriations
23N-1	MTC Capital Account-State	5,410,000				5,410,000
	Total	5,410,000	0	0	0	5,410,000

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Project Number: 40000304

Project Title: 2021-23 Remedial Action Grant Program

SubProjects

SubProject Number: 40000319

SubProject Title: March Point / Whitmarsh Landfill Reclamation Project

	Future Fiscal Periods			
	2023-25	2025-27	2027-29	2029-31
23N-1 MTC Capital Account-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000320

SubProject Title: I & J Waterway

Starting Fiscal Year: 2022

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 and actual spending requirements for the 2021-23 Biennium. RAGs support cleanup at contaminated industrial sites that impact 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 redevelopment by allowing contaminated properties to be redeveloped, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

I&J Waterway is an in-water contaminated sediment site (Site) on the Bellingham working waterfront. The contamination is from a variety of past industrial activities. A Remedial Investigation/Feasibility Study and Cleanup Action Plan (CAP) were completed for the Site in 2019. Engineering design, permitting and ultimately cleanup construction are currently underway for a portion of the Site. Additional funding is needed to complete engineering design and permitting for the remaining portion of the Site. The Site is part of the Bellingham Waterfront Redevelopment District that will support the local economy through redevelopment. Cleanup of the Site will help protect public health and aquatic species that inhabit Puget Sound.

Proviso

N/A

Location

City: Bellingham

County: Whatcom

Legislative District: 042

Project Type

Grants

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 11:05AM

Project Number: 40000304

Project Title: 2021-23 Remedial Action Grant Program

SubProjects

SubProject Number: 40000320

SubProject Title: I & J Waterway

Grant Recipient Organization: Local Government

RCW that establishes grant: Chapter 70.105D 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	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
23N-1	MTC Capital Account-State	405,000			405,000
	Total	405,000	0	0	405,000
Future Fiscal Periods					
		2023-25	2025-27	2027-29	2029-31
23N-1	MTC Capital Account-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000321

SubProject Title: Lower Duwamish Waterway

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 11:05AM

Project Number: 40000304

Project Title: 2021-23 Remedial Action Grant Program

SubProjects

SubProject Number: 40000321

SubProject Title: Lower Duwamish Waterway

Starting Fiscal Year: 2022

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 and actual spending requirements for the 2021-23 Biennium. RAGs support cleanup at contaminated industrial sites that impact 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 redevelopment by allowing contaminated properties to be redeveloped, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

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. The U.S. Environmental Protection Agency (EPA) is responsible for cleaning up the sediments in the waterway while Ecology is responsible for controlling the upland sources. Seattle City Light would conduct source control and source control evaluation activities to ensure sources of contamination to the LDW are sufficiently controlled. Seattle City Light and its partners in the Lower Duwamish Waterway Group are currently working on the design of the Upper Reach (a 2 mile segment of the waterway), including engineering design and cleanup construction. The design is anticipated to take approximately 4 years to complete. Cleaning up the LDW will help protect public health, sensitive estuarine habitats, and aquatic species that depend on these habitats.

Proviso

N/A

Location

City: Seattle

County: King

Legislative District: 034

Project Type

Grants

Grant Recipient Organization: Local Government

RCW that establishes grant: Chapter 70.105D 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.

Capital Project Request

2021-23 Biennium

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Date Run: 9/3/2020 11:05AM

Project Number: 40000304

Project Title: 2021-23 Remedial Action Grant Program

SubProjects

SubProject Number: 40000321

SubProject Title: Lower Duwamish Waterway

Funding

Acct Code	Account Title	Expenditures			2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reappropriations	New Appropriations
23N-1	MTC Capital Account-State	574,000				574,000
	Total	574,000	0	0	0	574,000

Future Fiscal Periods

	2023-25	2025-27	2027-29	2029-31
23N-1 MTC Capital Account-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000322

SubProject Title: Anacortes Port Log Yard

Starting Fiscal Year: 2022

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 and actual spending requirements for the 2021-23 Biennium. RAGs support cleanup at contaminated industrial sites that impact 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 redevelopment by allowing contaminated properties to be redeveloped, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

The Former Pier 2 Log Haul-Out Site is located along the Guemes Channel. The facility is currently used to store oil spill response equipment for the nearby refinery facilities. The remedial cleanup of the Anacortes Port Log Yard Site is anticipated to remove deposits of wood debris and other contaminants from the marine environment. Work under the Site's Agreed Order and the initiation of engineering design have been funded under previous Ecology Remedial Action Grant agreements, with additional funding needed to complete the final engineering design, cleanup construction, and post-construction monitoring for the Site's final selected cleanup remedy.

Proviso

N/A

Location

City: Anacortes

County: Skagit

Legislative District: 040

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 11:05AM

Project Number: 40000304

Project Title: 2021-23 Remedial Action Grant Program

SubProjects**Project Type**

SubProject Number: 40000322

SubProject Title: Anacortes Port Log Yard

Project Type

Grants

Grant Recipient Organization: Local Government

RCW that establishes grant: Chapter 70.105D 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	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Reappropriations
23N-1	MTC Capital Account-State	3,657,000			3,657,000
	Total	3,657,000	0	0	3,657,000

Future Fiscal Periods

	2023-25	2025-27	2027-29	2029-31
23N-1 MTC Capital Account-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000323

SubProject Title: Lower Duwamish remedial design

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Capital Project Request**

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 11:05AM

Project Number: 40000304

Project Title: 2021-23 Remedial Action Grant Program

SubProjects

SubProject Number: 40000323

SubProject Title: Lower Duwamish remedial design

Starting Fiscal Year: 2022

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 and actual spending requirements for the 2021-23 Biennium. RAGs support cleanup at contaminated industrial sites that impact 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 redevelopment by allowing contaminated properties to be redeveloped, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

The Lower Duwamish Waterway (LDW) is a Superfund site that includes approximately five miles of heavily contaminated waterway extending downstream to the southern tip of Harbor Island in Seattle. King County and its partners are currently designing the Cleanup Action for the Upper Reach of the LDW (approximately 2 miles). This will include sampling to determine the nature and extent of contamination and engineering design. The Middle Reach and 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.

Proviso

N/A

Location

City: Seattle

County: King

Legislative District: 011

Project Type

Grants

Grant Recipient Organization: Local Government

RCW that establishes grant: Chapter 70.105D 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.

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 11:05AM

Project Number: 40000304

Project Title: 2021-23 Remedial Action Grant Program

SubProjects

SubProject Number: 40000323

SubProject Title: Lower Duwamish remedial design

Funding

Acct Code	Account Title	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
23N-1	MTC Capital Account-State	762,000			762,000
	Total	762,000	0	0	762,000

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
23N-1	MTC Capital Account-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000324

SubProject Title: Dakota Creek Industries Shipyard

Starting Fiscal Year: 2022

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 and actual spending requirements for the 2021-23 Biennium. RAGs support cleanup at contaminated industrial sites that impact 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 redevelopment by allowing contaminated properties to be redeveloped, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

The Dakota Creek Industries 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 to support the remedial cleanup that will address soil, groundwater, and sediment contamination resulting from historical uses of the Site. Agreed Order work, engineering design, cleanup construction of the selected site remedy, and initiation of the construction completion report are being completed under separate agreements with Ecology, with additional funding needed to finalize the completion report and conduct the post-construction monitoring.

Proviso

N/A

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 11:05AM

Project Number: 40000304

Project Title: 2021-23 Remedial Action Grant Program

SubProjects**Location**

SubProject Number: 40000324

SubProject Title: Dakota Creek Industries Shipyard

Location

City: Anacortes

County: Skagit

Legislative District: 040

Project Type

Grants

Grant Recipient Organization: Local Government

RCW that establishes grant: Chapter 70.105D 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	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
23N-1	MTC Capital Account-State	45,000			45,000
	Total	45,000	0	0	45,000
Future Fiscal Periods					
		2023-25	2025-27	2027-29	2029-31
23N-1	MTC Capital Account-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000325

SubProject Title: Lower Duwamish Superfund Cleanup

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Capital Project Request**

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 11:05AM

Project Number: 40000304

Project Title: 2021-23 Remedial Action Grant Program

SubProjects

SubProject Number: 40000325

SubProject Title: Lower Duwamish Superfund Cleanup

Starting Fiscal Year: 2022

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 and actual spending requirements for the 2021-23 Biennium. RAGs support cleanup at contaminated industrial sites that impact 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 redevelopment by allowing contaminated properties to be redeveloped, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

The Lower Duwamish Waterway (LDW) is a five mile contaminated stretch of river in the Seattle area that was designated a Superfund site in 2001 by the U.S. Environmental Protection Agency (EPA). Sediments in the LDW have accumulated high concentrations of contamination from more than 100 years of industrial and urban use. The major contaminants of concern include arsenic, polychlorinated biphenyls (PCBs), polycyclic aromatic hydrocarbons (PAHs), dioxins, and furans. The Port along with its partners in the Lower Duwamish Waterway Group (LDWG) have been actively implementing remedial actions to address contamination in the waterway and evaluating cleanup options. Among its activities, the LDWG is performing remedial design for the Upper Reach of the LDW, with design expected to be completed by 2024. The fish institution control program is also underway. LDWG is also performing a Carbon Amendment Pilot Study to verify that enhanced natural recovery (ENR) amended with activated carbon can be successfully applied and to evaluate its performance compared to ENR alone. This will help inform where this technology can or cannot be used within the Site. Cleanup of the LDW will help protect public health, sensitive estuarine habitats, and aquatic species that depend on these habitats.

Proviso

N/A

Location

City: Seattle

County: King

Legislative District: 034

Project Type

Grants

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 11:05AM

Project Number: 40000304

Project Title: 2021-23 Remedial Action Grant Program

SubProjects

SubProject Number: 40000325

SubProject Title: Lower Duwamish Superfund Cleanup

Grant Recipient Organization: Local Government

RCW that establishes grant: Chapter 70.105D 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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriates	New Appropriates
23N-1	MTC Capital Account-State	5,630,000				5,630,000
	Total	5,630,000	0	0	0	5,630,000

Future Fiscal Periods

		2023-25	2025-27	2027-29	2029-31
23N-1	MTC Capital Account-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000326

SubProject Title: T115N Ecology Agreed Order (RI/FS/dCAP)

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Capital Project Request**

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 11:05AM

Project Number: 40000304

Project Title: 2021-23 Remedial Action Grant Program

SubProjects

SubProject Number: 40000326

SubProject Title: T115N Ecology Agreed Order (RI/FS/dCAP)

Starting Fiscal Year: 2022

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 and actual spending requirements for the 2021-23 Biennium. RAGs support cleanup at contaminated industrial sites that impact 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 redevelopment by allowing contaminated properties to be redeveloped, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

The Port of Seattle N Terminal 115 (T115N) Site is located near the west bank of the Lower Duwamish Waterway (LDW) in Seattle. Contamination at the Site is due to past industrial activities, including tin reclamation and fill placed from off-site sources. Contamination is found in the soil, groundwater, and stormwater solids. The potential contaminants of concern at T115N include, but are not limited to, metals and carcinogenic polycyclic aromatic hydrocarbons (cPAHs). Current cleanup activities include completing a Remedial Investigation/Feasibility Study (RI/FS) and Draft Cleanup Action Plan (CAP). The objective of the RI/FS for the Site is to provide sufficient data, analysis, and evaluations to enable selection of a preferred remedy and draft the site CAP. Through these cleanup activities, the Port of Seattle will bring the Site further into compliance with Model Toxic Control Act (MTCA) standards. Cleaning up this Site will help protect human health and the environment and minimize risks of contaminants migrating to the LDW. The project will help Ecology meet its obligations to EPA to control sources of contamination to the LDW.

Proviso

N/A

Location

City: Seattle

County: King

Legislative District: 034

Project Type

Grants

Capital Project Request

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 11:05AM

Project Number: 40000304

Project Title: 2021-23 Remedial Action Grant Program

SubProjects

SubProject Number: 40000326

SubProject Title: T115N Ecology Agreed Order (RI/FS/dCAP)

Grant Recipient Organization: Local Government

RCW that establishes grant: Chapter 70.105D 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	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
23N-1	MTC Capital Account-State	290,000			290,000
	Total	290,000	0	0	290,000

Future Fiscal Periods

	2023-25	2025-27	2027-29	2029-31
23N-1 MTC Capital Account-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000327

SubProject Title: Former Riverside HVOC site

Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 11:05AM

Project Number: 40000304

Project Title: 2021-23 Remedial Action Grant Program

SubProjects

SubProject Number: 40000327

SubProject Title: Former Riverside HVOC site

Starting Fiscal Year: 2022

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 and actual spending requirements for the 2021-23 Biennium. RAGs support cleanup at contaminated industrial sites that impact 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 redevelopment by allowing contaminated properties to be redeveloped, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

The Bothell Riverside Site is a two-acre property between downtown Bothell and the Sammamish River. The Site's current and future use is a public park. Contaminants from a former gasoline service station exist in the soil and groundwater, including petroleum hydrocarbons, lead, and high volatility organic compounds (HVOC). The project is currently drafting a Remedial Investigation/Feasibility Study (RI/FS) as required under an Agreed Order with Ecology. Remediating this Site will protect public health and the environment by preventing potential exposure of contaminants. Cleanup will also stop the migration of contaminated groundwater towards the nearby Sammamish River, which supports sensitive fish species.

Proviso

N/A

Location

City: Bothell

County: King

Legislative District: 001

Project Type

Grants

Grant Recipient Organization: Local Government

RCW that establishes grant: Chapter 70.105D 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.

Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 11:05AM

Project Number: 40000304

Project Title: 2021-23 Remedial Action Grant Program

SubProjects

SubProject Number: 40000327

SubProject Title: Former Riverside HVOC site

Funding

Acct Code	Account Title	Expenditures			2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reappropriations	New Appropriations
23N-1	MTC Capital Account-State	1,500,000				1,500,000
	Total	1,500,000	0	0	0	1,500,000

Future Fiscal Periods

	Account Title	2023-25	2025-27	2027-29	2029-31
23N-1	MTC Capital Account-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000328

SubProject Title: Denny Way Sediment Cleanup Unit

Starting Fiscal Year: 2022

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 and actual spending requirements for the 2021-23 Biennium. RAGs support cleanup at contaminated industrial sites that impact 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 redevelopment by allowing contaminated properties to be redeveloped, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

King County is preparing to conduct the final Remedial Action at the Denny Way Sediment Cleanup Site. Two Interim Actions have been completed to cleanup contaminants within the sediment of Elliott Bay near to Seattle's downtown area. Long-term monitoring following these Interim Actions identified the need for additional cleanup in surrounding areas. This project will evaluate the nature and extent of remaining contamination at the Site, and design and implement the Final Action (or Interim Action if agreed upon by Ecology and the PLP). This grant will fund the Remedial Investigation and Final Action (or Interim Action). Cleanup of this Site will help prevent potential exposure of contaminants to aquatic life in Elliott Bay.

Proviso

N/A

Location

City: Seattle

County: King

Legislative District: 036

Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 11:05AM

Project Number: 40000304

Project Title: 2021-23 Remedial Action Grant Program

SubProjects**Project Type**

SubProject Number: 40000328

SubProject Title: Denny Way Sediment Cleanup Unit

Project Type

Grants

Grant Recipient Organization: Local Government

RCW that establishes grant: Chapter 70.105D 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	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Reapprops Approps
23N-1	MTC Capital Account-State	640,000			640,000
	Total	640,000	0	0	0 640,000

Future Fiscal Periods

	2023-25	2025-27	2027-29	2029-31
23N-1 MTC Capital Account-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000329

SubProject Title: Shelton C Street Landfill

Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 11:05AM

Project Number: 40000304

Project Title: 2021-23 Remedial Action Grant Program

SubProjects

SubProject Number: 40000329

SubProject Title: Shelton C Street Landfill

Starting Fiscal Year: 2022

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 and actual spending requirements for the 2021-23 Biennium. RAGs support cleanup at contaminated industrial sites that impact 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 redevelopment by allowing contaminated properties to be redeveloped, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

Dioxins and metals are the main contaminants of concern at this closed landfill owned by the City of Shelton. The Feasibility Study is currently undergoing Ecology review and grant funding will support cleanup construction. No future use is planned as the site will require institutional controls and long-term monitoring.

Proviso

N/A

Location

City: Shelton

County: Mason

Legislative District: 035

Project Type

Grants

Grant Recipient Organization: Local Government

RCW that establishes grant: Chapter 70.105D 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	Expenditures			2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reappropriates	New Appropriates
23N-1	MTC Capital Account-State	900,000				900,000
	Total	900,000	0	0	0	900,000

Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 11:05AM

Project Number: 40000304

Project Title: 2021-23 Remedial Action Grant Program

SubProjects

SubProject Number: 40000329

SubProject Title: Shelton C Street Landfill

	Future Fiscal Periods			
	2023-25	2025-27	2027-29	2029-31
23N-1 MTC Capital Account-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000330

SubProject Title: East Waterway Operable Unit - Harbor Island Superfund Site

Starting Fiscal Year: 2022

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 and actual spending requirements for the 2021-23 Biennium. RAGs support cleanup at contaminated industrial sites that impact 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 redevelopment by allowing contaminated properties to be redeveloped, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

The East Waterway Operable Unit (Site) is an in-water sediment site located east of the Harbor Island in Seattle. The Site is contaminated from over 100 years of industrial and urban use. A Supplemental Remedial Investigation/Feasibility Study (RI/FS) for the Site has been completed. Under the oversight of the U.S. Environmental Protection Agency (EPA), a Feasibility Study (FS) was finalized in 2019 by the East Waterway Group (EWG), consisting of the Port of Seattle, the City of Seattle, and King County. The purpose of this FS is to develop and evaluate EW-wide remedial alternatives to address the risks posed by contaminants of concern within the EW. The draft proposed plan was completed in May 2020. Located within the LDW, the Site contains sensitive estuarine habitat that provides, among other things, rearing and migration habitat for sensitive aquatic species. Site cleanup will reduce contaminant exposure to humans and the environment.

Proviso

N/A

Location

City: Seattle

County: King

Legislative District: 011

Project Type

Grants

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2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 11:05AM

Project Number: 40000304

Project Title: 2021-23 Remedial Action Grant Program

SubProjects

SubProject Number: 40000330

SubProject Title: East Waterway Operable Unit - Harbor Island Superfund Site

Grant Recipient Organization: Local Government

RCW that establishes grant: Chapter 70.105D 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	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
23N-1	MTC Capital Account-State	11,409,000			11,409,000
	Total	11,409,000	0	0	11,409,000

Future Fiscal Periods

		2023-25	2025-27	2027-29	2029-31
23N-1	MTC Capital Account-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000331

SubProject Title: West Plains PFAS Groundwater Transport & Fate Study

Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 11:05AM

Project Number: 40000304

Project Title: 2021-23 Remedial Action Grant Program

SubProjects

SubProject Number: 40000331

SubProject Title: West Plains PFAS Groundwater Transport & Fate Study

Starting Fiscal Year: 2022

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 and actual spending requirements for the 2021-23 Biennium. RAGs support cleanup at contaminated industrial sites that impact 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 redevelopment by allowing contaminated properties to be redeveloped, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

In collaboration with Fairchild AFB, Spokane County, and Eastern Washington University, Spokane Regional Health District will develop a fate and transport model for PFAS across the West Plains area. This model will assist with geochemical fingerprinting PFAS sources over a wide area. This study will provide vital information on the extent of PFAS contamination that will be used for local drinking water health advisories.

Proviso

N/A

Location

City: Spokane

County: Spokane

Legislative District: 003

Project Type

Grants

Grant Recipient Organization: Local Government

RCW that establishes grant: Chapter 70.105D 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.

Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 11:05AM

Project Number: 40000304

Project Title: 2021-23 Remedial Action Grant Program

SubProjects

SubProject Number: 40000331

SubProject Title: West Plains PFAS Groundwater Transport & Fate Study

Funding

Acct Code	Account Title	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
23N-1	MTC Capital Account-State	450,000			450,000
	Total	450,000	0	0	450,000

Future Fiscal Periods

	2023-25	2025-27	2027-29	2029-31
23N-1 MTC Capital Account-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000332

SubProject Title: Integrated Planning Grants

Starting Fiscal Year: 2022

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 and actual spending requirements for the 2021-23 Biennium. RAGs support cleanup at contaminated industrial sites that impact 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 redevelopment by allowing contaminated properties to be redeveloped, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

Grant funding to develop plans to redevelop contaminated properties.

Proviso

N/A

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Grants

Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 11:05AM

Project Number: 40000304

Project Title: 2021-23 Remedial Action Grant Program

SubProjects

SubProject Number: 40000332

SubProject Title: Integrated Planning Grants

Grant Recipient Organization: Local Government

RCW that establishes grant: Chapter 70.105D 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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
23N-1	MTC Capital Account-State	1,200,000				1,200,000
	Total	1,200,000	0	0	0	1,200,000

Future Fiscal Periods

		2023-25	2025-27	2027-29	2029-31
23N-1	MTC Capital Account-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000333

SubProject Title: Independent Remedial Action Grants

Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 11:05AM

Project Number: 40000304

Project Title: 2021-23 Remedial Action Grant Program

SubProjects

SubProject Number: 40000333

SubProject Title: Independent Remedial Action Grants

Starting Fiscal Year: 2022

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 and actual spending requirements for the 2021-23 Biennium. RAGs support cleanup at contaminated industrial sites that impact 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 redevelopment by allowing contaminated properties to be redeveloped, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

Grant funding to local governments who cleanup contaminated properties through Ecology's Voluntary Cleanup Program.

Proviso

N/A

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Grants

Grant Recipient Organization: Local Government

RCW that establishes grant: Chapter 70.105D 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	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
23N-1	MTCA Capital Account-State	1,000,000			1,000,000
	Total	1,000,000	0	0	1,000,000

Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 11:05AM

Project Number: 40000304

Project Title: 2021-23 Remedial Action Grant Program

SubProjects

SubProject Number: 40000333

SubProject Title: Independent Remedial Action Grants

	Future Fiscal Periods			
	2023-25	2025-27	2027-29	2029-31
23N-1 MTC Capital Account-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000334

SubProject Title: RAG Staff

Starting Fiscal Year: 2022

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 and actual spending requirements for the 2021-23 Biennium. RAGs support cleanup at contaminated industrial sites that impact 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 redevelopment by allowing contaminated properties to be redeveloped, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital 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. 4.0 FTE are needed for grant administration, Central Budget Office capital support and Agency administrative overhead.

Proviso

N/A

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Grants

Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 11:05AM

Project Number: 40000304

Project Title: 2021-23 Remedial Action Grant Program

SubProjects

SubProject Number: 40000334

SubProject Title: RAG Staff

Grant Recipient Organization: Local Government

RCW that establishes grant: Chapter 70.105D 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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
23N-1	MTC Capital Account-State	1,101,000				1,101,000
	Total	1,101,000	0	0	0	1,101,000

Future Fiscal Periods

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
23N-1	MTC Capital Account-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000335

SubProject Title: EAGL

Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 11:05AM

Project Number: 40000304

Project Title: 2021-23 Remedial Action Grant Program

SubProjects

SubProject Number: 40000335

SubProject Title: EAGL

Starting Fiscal Year: 2022

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 and actual spending requirements for the 2021-23 Biennium. RAGs support cleanup at contaminated industrial sites that impact 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 redevelopment by allowing contaminated properties to be redeveloped, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

Maintenance of Ecology's Administration of Grants & Loans (EAGL) system. This also includes the development of a new application for the 2023-25 solicitation, which will occur during the 2021-23 Biennium.

Proviso

N/A

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Grants

Grant Recipient Organization: Local Government

RCW that establishes grant: Chapter 70.105D 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	Expenditures			2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reappropriations	New Appropriations
23N-1	MTC Capital Account-State	50,000				50,000
Total		50,000	0	0	0	50,000

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2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 11:05AM

Project Number: 40000304

Project Title: 2021-23 Remedial Action Grant Program

SubProjects

SubProject Number: 40000335

SubProject Title: EAGL

	Future Fiscal Periods			
	2023-25	2025-27	2027-29	2029-31
23N-1 MTC Capital Account-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000372

SubProject Title: 2021-23 Remedial Action Grants Ten-Year Financial Plan

Starting Fiscal Year: 2022

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 and actual spending requirements for the 2021-23 Biennium. RAGs support cleanup at contaminated industrial sites that impact 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 redevelopment by allowing contaminated properties to be redeveloped, and leverage local match funding for this work. 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

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 11:05AM

Project Number: 40000304

Project Title: 2021-23 Remedial Action Grant Program

SubProjects

SubProject Number: 40000372

SubProject Title: 2021-23 Remedial Action Grants Ten-Year Financial Plan

Grant Recipient Organization: Local Government

RCW that establishes grant: Chapter 70.105D 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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
23N-1	MTC Capital Account-State	264,800,000				
	Total	264,800,000	0	0	0	0

Future Fiscal Periods

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
23N-1	MTC Capital Account-State	66,200,000	66,200,000	66,200,000	66,200,000
	Total	66,200,000	66,200,000	66,200,000	66,200,000

Operating Impacts

No Operating Impact

Ecology 2021-23 Capital Budget Project List
Toxics Cleanup Program
Remedial Action Grant Program



8/8/2020

Purpose: This list provides project details about the 2021-23 Remedial Action Grants (RAG) budget request. 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	Project Title	Project Description	Amount ('000s)	Phase of Cleanup	Site Address	City	County	Leg. District	Lat.	Long.
1	Remediation and Clean-up Grant request for Yakima City Landfill IAWP	The City of Yakima Landfill used this former Boise Cascade Mill log pond as a landfill from 1963 to 1972. Previous investigations have included the assessment of the types of solid waste buried in the landfill, and an initial assessment of the impact of this waste on the soils, groundwater, surface water, and soil gases in the immediate area of the landfill. Cleanup of the landfill property is important to the City's plans to construct an east-west traffic corridor. Grant funding will be used to remove Municipal Solid Waste (MSW) under the future road corridor and install a Landfill Gas (LFG) barrier.	3,000	Interim Actions	Interstate 82	Yakima	Yakima	15	46.61	-120.49
2	Seaport Landing/Former Weyerhaeuser Aberdeen Sawmill	Contamination including metals, petroleum, hydrogen sulfide, and dioxins exists on the site from wood products processing. A Remedial Investigation and Feasibility Study are in process, and this grant will fund planning and implementation of a Cleanup Action Plan. The Grays Harbor Historic Seaport Authority, working with local governments, has plans for a first-class destination waterfront on the site following cleanup.	2,034	Cleanup Construction	500 N Custer St	Aberdeen	Grays Harbor	19	46.97	-123.80
3	Rock Island Redevelopment	This site is located on the Columbia River immediately south of downtown Rock Island. Two large smelter buildings remain at the site. The confirmed presence of toxic and carcinogenic contaminants at the former silicon smelter present risks to local residents and the environment. Grant funding will be used to plan for cleanup and site redevelopment.	750	Cleanup Construction	100 4th St SW	Rock Island	Douglas	12	47.37	-120.14
4	Albert Jensen & Sons Inc.	The site was developed 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, polycyclic aromatic hydrocarbons, and metals. The grant funding will go towards evaluating and integrating existing upland and in-water data, complete a cultural resources survey, perform a Remedial Investigation/Feasibility Study, prepare a Draft Cleanup Action Plan, complete work plans, engineering design, permitting and completion of interim action(s), and prepare for remedy implementation and long-term monitoring in subsequent biennia.	1,201	Engineering Design	1293 Turn Point Road	Friday Harbor	San Juan	40	48.53	-123.00
5	Former Northern State Hospital	The Northern State Hospital is a former state-owned hospital that became contaminated with metals, petroleum products, and other contaminants. The Port of Skagit County is currently conducting a Remedial Investigation/Feasibility Study. Funding would support work to complete additional site assessment (if necessary), clean up contamination, and conduct post-construction monitoring. The project would transform this blighted, underutilized property into a center for innovation and technology. Site cleanup will help protect salmon-bearing streams located on the property from potential exposure resulting from contamination spread, while redevelopment will help support the local economy.	702	Cleanup Construction	2262 Thompson Dr	Sedro-Woolley	Skagit	39	48.53	-122.21

Rank	Project Title	Project Description	Amount ('000s)	Phase of Cleanup	Site Address	City	County	Leg. District	Lat.	Long.
6	Cornwall Avenue Landfill	The Cornwall Avenue Landfill is located on the Bellingham waterfront. It consists of about 16 acres of contaminated upland and shoreline sediment, reflecting municipal and industrial waste dumped into Bellingham Bay in the 1950s and 60s. A legal agreement between the State and Port of Bellingham (Port) requires design and construction of the Cleanup Action. The Cornwall site overlaps with the adjacent RG Haley former wood treatment site. Therefore, cleanup construction for both sites must occur simultaneously to ensure a successful cleanup. A final Cleanup Action Plan (CAP) has been completed. Grant funds will support the Port in completing engineering design, permitting, and construction consistent with the CAP. Cleanup of this former landfill site will allow the City of Bellingham to redevelop the Cornwall and Haley sites into a public park as part of their Bellingham Waterfront Redevelopment initiative, while reducing exposure of contaminants to the public and aquatic species in Bellingham Bay, including endangered salmon species.	2,010	Cleanup Construction	Cornwall Ave	Bellingham	Whatcom	40	48.74	-122.49
7	R.G. Haley International Corporation Site	The R.G. Haley International Corporation Site (Site) became contaminated as a result of historic wood treatment industrial activities. The Site is located on the shore of Bellingham Bay and contains a large area of contaminated shoreline and sediment. The Site is highly contaminated with bioaccumulative chemicals and is one of the high priority sites to address in Bellingham Bay. A Final Cleanup Action Plan has been completed. Engineering Design is currently in progress. Requested funds will be used to conduct cleanup activities at the Site in conjunction with the adjoining Cornwall Avenue Landfill site. Site cleanup would reduce contaminant exposure to the public, wildlife species, and the environment, while allowing the City of Bellingham to redevelop the Site as a public waterfront park as part of their Bellingham Waterfront Redevelopment initiative, including potential economic development opportunities.	6,122	Cleanup Construction	500 Cornwall Avenue	Bellingham	Whatcom	40	47.91	-122.23
8	East Waterway - Oversight	To clean up remaining in-water contaminants, Ecology entered into Agreed Orders with the Potentially Liable Parties: Kimberly Clark, the Port of Everett, and the Department of Natural Resources to research and identify hazardous substances at the East Waterway Site. This includes upland sources that could potentially release contaminants to the in-water area. Any such in-water contaminants identified will be addressed under a draft Remedial Investigation/Feasibility Study (RI/FS) and Draft Cleanup Action Plan. Potential upland sources of contamination to the East Waterway will be addressed under a separate Agreed Order(s). The RI/FS will identify the types, locations and amounts of contaminants including upland sources that could potentially release contaminants to the in-water area. It will also identify cleanup action alternatives for those contaminants in the in-water area.	250	Remedial Investigations	1205 Craftsman Way Suite 200	Everett	Snohomish	38	47.98	-122.22
9	Central Waterfront	The Central Waterfront Site (Site) is contaminated by a variety of historic industrial activities, including a municipal landfill. This fifty-five acre upland Site is adjacent to Puget Sound and is within the Bellingham Waterfront Redevelopment Opportunity Zone. A Final Cleanup Action Plan has been completed. Grant funds will be used to complete engineering design, permitting and cleanup construction. Site cleanup will protect the public and Puget Sound from the risks of contaminant exposure and their associated impacts and is an important component of the Port/City planned redevelopment and their local economy.	1,108	Cleanup Construction	F St	Bellingham	Whatcom	42	48.76	-122.49

Rank	Project Title	Project Description	Amount ('000s)	Phase of Cleanup	Site Address	City	County	Leg. District	Lat.	Long.
10	Harris Avenue Shipyard	Harris Avenue Shipyard is a 10-acre upland and in-water sediment Site located on the Bellingham Bay waterfront. The Site is contaminated with metals, petroleum products, and polychlorinated biphenyls (PCB), from historic shipbuilding and maintenance activities. Approximately one third of the overall Site was cleaned up as an Interim Action in 2018. A Remedial Investigation/Feasibility Study (R/IFS) was completed and finalized in 2019. A Draft Cleanup Action Plan (DCAP) has been prepared for the Site that should be finalized by the end of 2020. Funds will support implementation of the Final Cleanup, which requires engineering design, permitting, construction, and compliance monitoring. Site cleanup will help protect the public and the environment, including sensitive habitats in Puget Sound.	5,820	Cleanup Construction	201 Harris Ave	Bellingham	Whatcom	40	48.72	-122.51
11	Alexander Avenue Petroleum Tank Facilities	Petroleum contamination from historic bulk storage facilities exists in soil and groundwater and discharges to Commencement Bay. The Port of Tacoma will complete a Feasibility Study and Draft Cleanup Action Plan in 2020 and this grant will fund cleanup construction. Following cleanup, the Port will use the site for industrial purposes.	1,150	Cleanup Construction	709 Alexander Ave	Tacoma	Pierce	27	47.28	-122.40
12	Quiet Cove	The Quiet Cove property is located in Anacortes, Washington, and is currently used primarily as storage, as well as leased office and warehouse space to various tenants for marine-related sales and services. Agreed Order work began in 2016, with an upland Interim Action in progress and projected for completion in 2020. The requested funding is needed will support the Final Cleanup Remedy, including final design, construction, and monitoring.	612	Cleanup Construction	202 O Avenue	Anacortes	Skagit	40	45.64	-122.67
13	Colbert Landfill 1,4-Dioxane Risk Evaluation	Two distinct aquifers beneath the Colbert landfill were found to be contaminated with volatile organic compounds. This project will allow Spokane County to conduct a large-scale risk evaluation for the 1,4-dioxane contaminant. Spokane County shut down the pump-and-treat remediation system at the Colbert Landfill in 2014, which redirected groundwater flow to pre-pumping conditions. A large-scale risk evaluation is imperative because no 1,4-dioxane evaluations have been conducted since the shutdown to assess the current threat to public health and the environment.	18	Cleanup Construction	22515 N. Elk-Chattaroy Rd	Colbert	Spokane	4	47.86	-117.35
14	Arkema Interim Action	The Arkema site is contaminated with metals, arsenic, and other contaminants in soil, groundwater, and sediments from a former chemical research and storage facility. Grant funding will support source removal to reduce arsenic contamination to Hylebos Waterway as well as long-term monitoring. Following cleanup, the Port will use the site for industrial purposes.	2,000	Interim Actions	2901 Taylor Way	Tacoma	Pierce	27	47.27	-122.38
15	March Point / Whitmarsh Landfill Reclamation Project	Whitmarsh Landfill was used as an unregulated landfill. In 2009, Skagit County entered into an Agreed Order with Ecology. Skagit County formed a PLP group to complete the Remedial Investigation/Feasibility Study in 2017 and prepare the Draft Cleanup Action Plan. Based on this work, it has been determined that the preferred remedy to the site is installation of a cap over the landfill. Habitat restoration would also be done along the shoreline.	5,410	Cleanup Construction	1/4 Mile East of BN Whitmarsh	Anacortes	Skagit	40	48.46	-122.53
16	I & J Waterway	I&J Waterway is an in-water contaminated sediment site (Site) on the Bellingham working waterfront. The contamination is from a variety of past industrial activities. A Remedial Investigation/Feasibility Study and Cleanup Action Plan (CAP) were completed for the Site in 2019. Engineering design, permitting and ultimately cleanup construction are currently underway for a portion of the Site. Additional funding is needed to complete engineering design and permitting for the remaining portion of the Site. The Site is part of the Bellingham Waterfront Redevelopment District that will support the local economy through redevelopment. Cleanup of the Site will help protect public health and aquatic species that inhabit Puget Sound.	405	Engineering Design	Bellweather Way	Bellingham	Whatcom	42	48.75	-122.49

Rank	Project Title	Project Description	Amount ('000s)	Phase of Cleanup	Site Address	City	County	Leg. District	Lat.	Long.
17	Lower Duwamish Waterway	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. The U.S. Environmental Protection Agency (EPA) is responsible for cleaning up the sediments in the waterway while Ecology is responsible for controlling the upland sources. Seattle City Light would conduct source control and source control evaluation activities to ensure sources of contamination to the LDW are sufficiently controlled. Seattle City Light and its partners in the Lower Duwamish Waterway Group are currently working on the design of the Upper Reach (a 2 mile segment of the waterway), including engineering design and cleanup construction. The design is anticipated to take approximately 4 years to complete. Cleaning up the LDW will help protect public health, sensitive estuarine habitats, and aquatic species that depend on these habitats.	574	Cleanup Construction	Lower Duwamish Waterway	Seattle	King	34	47.57	-122.35
18	Anacortes Port Log Yard	The Former Pier 2 Log Haul-Out Site is located along the Guemes Channel. The facility is currently used to store oil spill response equipment for the nearby refinery facilities. The remedial cleanup of the Anacortes Port Log Yard Site is anticipated to remove deposits of wood debris and other contaminants from the marine environment. Work under the Site's Agreed Order and the initiation of engineering design have been funded under previous Ecology Remedial Action Grant agreements, with additional funding needed to complete the final engineering design, cleanup construction, and post-construction monitoring for the Site's final selected cleanup remedy.	3,657	Operation Maintenance and Monitoring	718 4th Street	Anacortes	Skagit	40	48.52	-122.61
19	Lower Duwamish remedial design	The Lower Duwamish Waterway (LDW) is a Superfund site that includes approximately five miles of heavily contaminated waterway extending downstream to the southern tip of Harbor Island in Seattle. King County and its partners are currently designing the Cleanup Action for the Upper Reach of the LDW (approximately 2 miles). This will include sampling to determine the nature and extent of contamination and engineering design. The Middle Reach and 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.	762	Engineering Design	None	Seattle	King	11	47.57	-122.35
20	Dakota Creek Industries Shipyard	The Dakota Creek Industries 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 to support the remedial cleanup that will address soil, groundwater, and sediment contamination resulting from historical uses of the Site. Agreed Order work, engineering design, cleanup construction of the selected site remedy, and initiation of the construction completion report are being completed under separate agreements with Ecology, with additional funding needed to finalize the completion report and conduct the post-construction monitoring.	45	Operation Maintenance and Monitoring	115 Q Ave	Anacortes	Skagit	40	48.52	-122.61

Rank	Project Title	Project Description	Amount ('000s)	Phase of Cleanup	Site Address	City	County	Leg. District	Lat.	Long.
21	Lower Duwamish Superfund Cleanup	The Lower Duwamish Waterway (LDW) is a five mile contaminated stretch of river in the Seattle area that was designated a Superfund site in 2001 by the U.S. Environmental Protection Agency (EPA). Sediments in the LDW have accumulated high concentrations of contamination from more than 100 years of industrial and urban use. The major contaminants of concern include arsenic, polychlorinated biphenyls (PCBs), polycyclic aromatic hydrocarbons (PAHs), dioxins, and furans. The Port along with its partners in the Lower Duwamish Waterway Group (LDWG) have been actively implementing remedial actions to address contamination in the waterway and evaluating cleanup options. Among its activities, the LDWG is performing remedial design for the Upper Reach of the LDW, with design expected to be completed by 2024. The fish institution control program is also underway. LDWG is also performing a Carbon Amendment Pilot Study to verify that enhanced natural recovery (ENR) amended with activated carbon can be successfully applied and to evaluate its performance compared to ENR alone. This will help inform where this technology can or cannot be used within the Site. Cleanup of the LDW will help protect public health, sensitive estuarine habitats, and aquatic species that depend on these habitats.	5,630	Cleanup Construction	Lower Duwamish Waterway	Seattle	King	34	47.57	-122.35
22	T115N Ecology Agreed Order (R/IFS/dCAP)	The Port of Seattle N Terminal 115 (T115N) Site is located near the west bank of the Lower Duwamish Waterway (LDW) in Seattle. Contamination at the Site is due to past industrial activities, including tin reclamation and fill placed from off-site sources. Contamination is found in the soil, groundwater, and stormwater solids. The potential contaminants of concern at T115N include, but are not limited to, metals and carcinogenic polycyclic aromatic hydrocarbons (cPAHs). Current cleanup activities include completing a Remedial Investigation/Feasibility Study (R/IFS) and Draft Cleanup Action Plan (CAP). The objective of the R/IFS for the Site is to provide sufficient data, analysis, and evaluations to enable selection of a preferred remedy and draft the site CAP. Through these cleanup activities, the Port of Seattle will bring the Site further into compliance with Model Toxic Control Act (MTCA) standards. Cleaning up this Site will help protect human health and the environment and minimize risks of contaminants migrating to the LDW. The project will help Ecology meet its obligations to EPA to control sources of contamination to the LDW.	290	Feasibility Study	6000 W Marginal Way	Seattle	King	34	47.55	-122.34
23	Former Riverside HVOC site	The Bothell Riverside Site is a two-acre property between downtown Bothell and the Sammamish River. The Site's current and future use is a public park. Contaminants from a former gasoline service station exist in the soil and groundwater, including petroleum hydrocarbons, lead, and high volatility organic compounds (HVOC). The project is currently drafting a Remedial Investigation/Feasibility Study (R/IFS) as required under an Agreed Order with Ecology. Remediating this Site will protect public health and the environment by preventing potential exposure of contaminants. Cleanup will also stop the migration of contaminated groundwater towards the nearby Sammamish River, which supports sensitive fish species.	1,500	Operation Maintenance and Monitoring	NE 180th St & Woodinville Dr	Bothell	King	1	47.76	-122.21
24	Denny Way Sediment Cleanup Unit	King County is preparing to conduct the final Remedial Action at the Denny Way Sediment Cleanup Site. Two Interim Actions have been completed to cleanup contaminants within the sediment of Elliott Bay near to Seattle's downtown area. Long-term monitoring following these Interim Actions identified the need for additional cleanup in surrounding areas. This project will evaluate the nature and extent of remaining contamination at the Site, and design and implement the Final Action (or Interim Action if agreed upon by Ecology and the PLP). This grant will fund the Remedial Investigation and Final Action (or Interim Action). Cleanup of this Site will help prevent potential exposure of contaminants to aquatic life in Elliott Bay.	640	Engineering Design	3165 Alaskan Way	Seattle	King	36	47.61	-122.35

Rank	Project Title	Project Description	Amount ('000s)	Phase of Cleanup	Site Address	City	County	Leg. District	Lat.	Long.
25	Shelton C Street Landfill	Dioxins and metals are the main contaminants of concern at this closed landfill owned by the City of Shelton. The Feasibility Study is currently undergoing Ecology review and grant funding will support cleanup construction. No future use is planned as the site will require institutional controls and long-term monitoring.	900	Cleanup Construction	C Street	Shelton	Mason	35	47.22	-123.13
26	East Waterway Operable Unit - Harbor Island Superfund Site	The East Waterway Operable Unit (Site) is an in-water sediment site located east of the Harbor Island in Seattle. The Site is contaminated from over 100 years of industrial and urban use. A Supplemental Remedial Investigation/Feasibility Study (RI/FS) for the Site has been completed. Under the oversight of the U.S. Environmental Protection Agency (EPA), a Feasibility Study (FS) was finalized in 2019 by the East Waterway Group (EWG), consisting of the Port of Seattle, the City of Seattle, and King County. The purpose of this FS is to develop and evaluate EW-wide remedial alternatives to address the risks posed by contaminants of concern within the EW. The draft proposed plan was completed in May 2020. Located within the LDW, the Site contains sensitive estuarine habitat that provides, among other things, rearing and migration habitat for sensitive aquatic species. Site cleanup will reduce contaminant exposure to humans and the environment.	11,409	Feasibility Study	None	Seattle	King	11	47.58	-122.34
27	West Plains PFAS Groundwater Transport & Fate Study	In collaboration with Fairchild AFB, Spokane County, and Eastern Washington University, Spokane Regional Health District will develop a fate and transport model for PFAS across the West Plains area. This model will assist with geochemical fingerprinting PFAS sources over a wide area. This study will provide vital information on the extent of PFAS contamination that will be used for local drinking water health advisories.	450	Areawide Groundwater Investigations	1101 W College Ave	Spokane	Spokane	3	47.66	-117.43
28	Integrated Planning Grants	Grant funding to develop plans to redevelop contaminated properties.	1,200	Integrated Planning Grants	Statewide	Statewide	Statewide	Statewide	Statewide	Statewide
29	Independent Remedial Action Grants	Grant funding to local governments who cleanup contaminated properties through Ecology's Voluntary Cleanup Program.	1,000	ALL	Statewide	Statewide	Statewide	Statewide	Statewide	Statewide
30	RAG Staff	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. 4.0 FTE are needed for grant administration, Central Budget Office capital support and Agency administrative overhead.	1,101	ALL	Statewide	Statewide	Statewide	Statewide	Statewide	Statewide
31	EAGL	Maintenance of Ecology's Administration of Grants & Loans (EAGL) system. This also includes the development of a new application for the 2023-25 solicitation, which will occur during the 2021-23 Biennium.	50	ALL	Statewide	Statewide	Statewide	Statewide	Statewide	Statewide
		TOTAL:	61,800							

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 3:40PM

Project Number: 40000378

Project Title: 2021-23 Healthy Housing Remediation Program

Description

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 10

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 rents 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 continue efforts to fund public, nonprofit, or private affordable housing developers' cleanup costs. Funding the program will invest in a social good (housing) beyond the traditional economic good of redeveloping contaminated properties for commercial and industrial purposes. Related to Puget Sound Action Agenda Implementation. (State Building Construction Account)

Project Description

What is the proposed project?

Ecology is requesting \$10,161,000 from the State Building Construction Account for the Healthy Housing Remediation Program. Under this program, Ecology will offer grants to public, nonprofit, and private entities intending to remediate contaminated property to develop affordable housing. Ecology may also perform remediation on behalf of such entities. This program will support the Governor's priorities on housing and homelessness.

A number of projects are already underway in Ecology's Toxics Cleanup Program:

- 1) Mt. Baker Housing Authority's Maddux Project in South Seattle
- 2) Mt. Baker Housing Authority's Grand Street Commons Project in Southeast Seattle
- 3) Seattle Chinatown International District Goodwill Affordable Housing Eight Acre Project
- 4) Bellingham Healthy Housing Project
- 5) Wenatchee Tree Fruit Research Center Property Redevelopment
- 6) Kennewick Housing Authority Multi-Family Housing Complex
- 7) Seattle Housing Authority Yesler Family Housing

This funding would provide staff and additional funding to move cleanups forward. Mt. Baker Grand Street Commons and the Bellingham Healthy Housing projects are included in the new appropriation request to support the next phases of cleanup at those sites. Additionally, this proposal would fund two new projects – Mt. Baker Rainier and Genesee and Skyway Housing.

As this program has developed and more projects have progressed from the planning phases to cleanup, Ecology needs a dedicated cleanup project manager to meet the demand for technical assistance and formal oversight of the cleanups. This would help ensure that housing projects, which can have tight timelines, get the access to Ecology staff they need to continue to move forward.

The projects have been reviewed and are ready to proceed according to the Model Toxics Control Act (MTCA) regulatory process. MTCA's cleanup process 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

Capital Project Request

2021-23 Biennium

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Description

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, that are in construction, that have permits or are in the permitting process, where design is complete or underway, or that are under contract.

In addition to projects being evaluated according to the MTCA regulatory process, the project list is prioritized based on:

1. Continuing investments at sites with ongoing cleanup projects.

In 2013, significant changes were made to MTCA. Among them was direction for Ecology to plan hazardous site cleanup at a pace that matches the estimated cash resources in the MTCA accounts (RCW 70.105D.030). Prior to these changes, expensive multi-year projects were fully funded in a biennial budget, and resulted in large reappropriations and cash balances in the MTCA accounts.

Cleanups can take many years once a site has been contaminated 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 has been actively working toward this target by employing 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. Ecology considers in its prioritization process the next phase of funding needed to keep existing cleanup projects moving forward.

2. Applying 2015-17 and 2017-19 budget prioritization criteria.

These budgets authorized Ecology to delay the start of cleanup projects based on: acuity of need; readiness to proceed; cost-efficiency; purposes of increasing affordable housing; or, need to ensure geographic distribution. Ecology used this authority over the past three biennia to guide project priority.

3. Where groups of projects met all of the same budget prioritization criteria, projects were further ranked considering Ecology's regional and program priorities.

4. 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.

Capital Project Request

2021-23 Biennium

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Project Title: 2021-23 Healthy Housing Remediation Program

Description

5. Prioritization factors from past and proposed proviso language for the healthy housing remediation program including: expediting cleanup for affordable housing development, leveraging other public private funding for affordable housing development; assessing the suitability of the real property for affordable housing; readiness to proceed; and distribution throughout the state and among public and private entities.

What opportunity or problem is driving this request?

The Healthy Housing Remediation Program will provide Ecology with dedicated funding to work directly with affordable housing providers on cleanup projects. Prior to the adoption of Engrossed Substitute Senate Bill 5993 (MTCA Reform) in 2019, Ecology's funding mechanisms had legal and financial constraints that made it a challenge and administratively inefficient for Ecology to fund cleanups led by nonprofit and private housing developers. Changes to the law and the proposed proviso language below provide a more efficient and explicit funding process and criteria for this work.

When MTCA Reform passed in 2019, an amendment was made that explicitly allows for "providing grants to persons intending to remediate contaminated real property for development of affordable housing."

Additionally, for the 2021-23 Capital Budget, Ecology is proposing a change to the current 2019-21 budget proviso to expand the scope of projects that could compete for this funding. This change is based on our experience during the preceding biennia. The change would allow Ecology to remediate contaminated properties itself when public, nonprofit, or private entities intend to develop affordable housing on the properties. Under the current proviso, Ecology may only provide grants to the entities to perform such work. This change would increase administrative efficiency at some sites while still providing communities with meaningful public participation.

This request will eliminate barriers and limitations in Ecology's current cleanup funding programs so that more properties can be cleaned up to make places for 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, 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 the cleanup of contaminated sites to the redevelopment of 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 55 jobs during the next two years based on Office of Financial Management estimates.

What are the effects of non-funding?

Washington has been hard hit by the global COVID-19 pandemic. The full impact of the coronavirus on Washington's economy is not yet clear, but anticipated to be significant. The need for affordable housing throughout Washington State may grow, not lessen, as communities recover from the economic toll of the public health emergency. Not funding this request would be a missed opportunity for Ecology to participate in solutions to the housing crisis. Ecology will miss the chance to show that cleanup and resulting redevelopment can support and protect existing communities rather than cause dislocation.

Why is this the best option or alternative?

This is the best alternative because it continues legislative support for this program over the last two budget cycles. The state already provides funding to build affordable housing through Commerce's Housing Trust Fund and other housing-related

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Project Number: 40000378

Project Title: 2021-23 Healthy Housing Remediation Program

Description

programs. But, suitable and available locations for affordable housing are scarce. Funding this request will eliminate a costly barrier to affordable housing development – the investigation and remediation costs associated with a contaminated site.

How will clients be affected and services change if this project is funded?

The Healthy Housing Remediation Program is a cleanup program focused on providing suitable locations for affordable housing. Two budget cycles of implementation has provided us with the experience needed to refine the program to ensure it achieves its intended outcomes. This request will continue to identify and eliminate barriers and limitations that exist in Ecology's current cleanup funding programs so that more properties can be cleaned up to make places for affordable housing.

What is the agency's proposed funding strategy for the project?

Ecology is requesting funding from the State Building Construction Account (SBCA) for this program. While the near-term focus of this program is cleanup under the Model Toxics Control Act, the long-term purpose is to broadly support state and local efforts to deal with Washington's need for affordable housing. Therefore, SBCA is the best fund source for this work.

Are FTEs required to support this project?

This request requires a total of 1.15 FTEs to support the Healthy Housing Remediation Program. Ecology does not currently have any staff dedicated to supporting the Healthy Housing Remediation Program and other affordable housing projects. As more affordable housing projects are funded and the associated work ramps up, Ecology will need additional capacity to meet the demand for technical assistance and formal oversight of the required cleanup actions. Please note, this FTE would support both this new appropriation, as well as other related reappropriation projects under this capital program.

How does the project support the agency and statewide results?

This request is essential to implementing two of Ecology's strategic plan goals.

- Support and engage our communities, customers, and employees, by providing cleaned up properties that can be used as places for affordable housing development.

- Prevent and Reduce Toxic Threats and Pollution, by cleaning up contaminated sites in order to protect human health and the environment. It also contributes resources to continue activity A005, Clean Up the Most Contaminated Sites First (Upland and Aquatic).

The request is also essential in supporting the Governor's Energy and Environment priority issues by investing funds to clean up contaminated sites and protect public health and natural resources. It also supports Results Washington Goal 3: Sustainable Energy and a Clean Environment, by cleaning up and managing contaminated sites that pose threats to public health, the environment, groundwater, and fish and wildlife resources.

This work also supports Results Washington Goal 2, Prosperous Economy, by creating and supporting jobs and making it possible to redevelop previously contaminated land to support economic growth in communities.

This work also supports Results Washington Goal 4, Healthy and Safe Communities, by increasing land availability as we connect contaminated site cleanup to the site's redevelopment into affordable housing. Evidence shows that communities do not easily move as housing costs rise. Community members typically stay in place as long as economics allow. Higher and higher percentages of income are used to meet basic housing needs at the expense of other economic goods such as education, health care, or retirement planning. Keeping housing affordable (i.e., so rent and utilities cost no more than 30 percent of local median income) allows greater local investment and access to costly services such as higher education. Restricting the end-use in ways that protect existing local communities also allows people to maintain access to the sorts of important social support that can be lost when people have to move suddenly due to economic dislocation. Social support from local communities is associated with better health, safety, and educational outcomes for residents.

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Description

This request also supports Governor Inslee's Executive Order 18-02, Southern Resident Killer Whale Recovery and Task Force, by supporting cleanup projects that reduce legacy and address new toxic contaminants in Puget Sound. The Order lists toxic contaminants as one of the three primary factors threatening the Southern Resident orca population.

- 31: Reduce stormwater threats and accelerate clean-up of toxics harmful to orcas.

This request supports Puget Sound Action Agenda implementation through the following Regional Priorities, Strategies, and Sub-strategies:

- Regional Priority TIF 1.1: Enhance pollutant reduction programs and corrective measures, and increase authorities and programs to prevent toxic chemicals from entering Puget Sound. By cleaning up toxic legacy pollutants, Ecology prevents these damaging chemicals from entering the Puget Sound and other potential routes for exposure.

- Regional Priority TIF 3.1: Provide the infrastructure and incentives to accommodate new development and redevelopment within designated urban centers in Urban Growth Areas. By cleaning up brownfield properties, Ecology helps to incentivize growth within Urban Growth Areas.

- Strategy 4: Encourage compact regional growth patterns and create dense, attractive, mixed-use, and transit-oriented communities.

- Sub-Strategy: 4.3: Enhance and expand the benefits of living in compact communities.

- Strategy 9: Prevent, reduce, and control the sources of contaminants entering Puget Sound.

- Sub-strategy 9.1: Implement and strengthen authorities and programs to prevent toxic chemicals from entering the Puget Sound ecosystem.

- Strategy 10: Use a comprehensive approach to manage urban stormwater runoff at the site and landscape scales.

- Sub-strategy 10.3: Fix problems caused by existing development.

- Sub-Strategy 10.4: Control sources of pollutants.

- Strategy 21: Address and clean up cumulative water pollution impacts in Puget Sound.

- Sub-strategy 21.2: Clean up contaminated sites within and near Puget Sound by reducing and controlling the sources of pollution.

How will the other state programs or units of government be affected if this project is funded?

Ecology and 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. The current funding request will continue those collaborative cleanup efforts.

What is the impact on the state operating budget?

None.

Proviso

The following proviso language is requested to in the 2021-23 Biennium to support the Healthy Housing Remediation Program pilot: The appropriation in this section is subject to the following conditions and limitations: (1) The appropriation is provided solely for the department to establish and administer a program to: (a) Provide grants or other public funding to persons intending to remediate contaminated real property for development of affordable housing, as defined in RCW 43.185A.010. The

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Project Title: 2021-23 Healthy Housing Remediation Program

Description

grants or public funding may only be used for: (i) Integrated planning to fund studies and other activities necessary to facilitate the acquisition, remediation, and adaptive reuse of known or suspected contaminated real property for affordable housing development, including: (A) The activities specified under RCW 70.105D.200(5)(d); and (B) Entry into development agreements pursuant to RCW 36.70B.170 through 36.70B.190 to accelerate the development of the contaminated real property into affordable housing; and (ii) Remediation of contaminated real property for affordable housing development; or (b) Remediate contaminated real property where a person intends to develop affordable housing, as defined in RCW 43.185A.010. (2) When evaluating projects under this section, the department must consult with the department of commerce and consider at a minimum: (a) The ability of the project to expedite the cleanup and reuse of the contaminated real property for affordable housing development; (b) The extent to which the project leverages other public or private funding for the cleanup and reuse of the contaminated real property for affordable housing development; (c) The suitability of the real property for affordable housing based on the threat posed by the contamination to human health; (d) Whether the work to be funded is ready to proceed and be completed; and (e) The distribution of funding throughout the state and among public and private entities. (3) Any remediation of contaminated real property funded under this section must be performed: (a) Under an agreed order or consent decree issued under chapter 70.105D RCW or by the department; and (b) In accordance with the rules established under chapter 70.105D RCW. (4) Real property remediated under this section must be restricted to affordable housing use for a period of no less than thirty years. (a) To ensure that real property remediated under this section is used for affordable housing, the department may file a lien against the real property pursuant to RCW 70.105D.055, require the person to record an interest in the real property in accordance with RCW 64.04.130, or use other means deemed by the department to be no less protective of the affordable housing use and interests of the department. (b) Any person who refuses, without sufficient cause, to comply with this subsection is subject to enforcement pursuant to any agreement or chapter 70.105D RCW for the repayment, with interest, of funds provided or expended by the department under this section.

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 70.105D.200(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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	50,161,000				10,161,000
	Total	50,161,000	0	0	0	10,161,000
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
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	

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Project Number: 40000378

Project Title: 2021-23 Healthy Housing Remediation Program

Operating Impacts

No Operating Impact

SubProjects

SubProject Number: 40000379

SubProject Title: Capital Housing Staff

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 10

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 rents 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 continue efforts to fund public, nonprofit, or private affordable housing developers' cleanup costs. Funding the program will invest in a social good (housing) beyond the traditional economic good of redeveloping contaminated properties for commercial and industrial purposes. Related to Puget Sound Action Agenda Implementation. (State Building Construction Account)

Project Description

As more affordable housing projects are funded and the associated work ramps up, Ecology will need additional capacity to meet the demand for technical assistance and formal oversight of the required cleanup actions.

Proviso

N/A

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 70.105D.200(4)(a)(iv)

Application process used

N/A

Growth Management impacts

Supports redevelopment of brownfield properties in urban areas.

Funding

Acct Code	Account Title	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Reappropriations
057-1	State Bldg Constr-State	361,000			361,000
	Total	361,000	0	0	361,000

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Project Number: 40000378

Project Title: 2021-23 Healthy Housing Remediation Program

SubProjects

SubProject Number: 40000379

SubProject Title: Capital Housing Staff

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000380

SubProject Title: Mt. Baker Grand Street Commons

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 10

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 rents 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 continue efforts to fund public, nonprofit, or private affordable housing developers' cleanup costs. Funding the program will invest in a social good (housing) beyond the traditional economic good of redeveloping contaminated properties for commercial and industrial purposes. Related to Puget Sound Action Agenda Implementation. (State Building Construction Account)

Project Description

A Prospective Purchaser Consent Decree was signed by Ecology and the Mount Baker Housing Authority in May 2018. The Remedial Investigation is complete and the project is moving forward towards a Cleanup Action Plan (CAP). Additional funds will finalize the CAP, engineering design, and remedial action.

Proviso

N/A

Location

City: Seattle

County: King

Legislative District: 037

Project Type

Grants

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Project Number: 40000378

Project Title: 2021-23 Healthy Housing Remediation Program

SubProjects

SubProject Number: 40000380

SubProject Title: Mt. Baker Grand Street Commons

Grant Recipient Organization: Local Governments, Nonprofit, and Private Housing Organizations

RCW that establishes grant: RCW 70.105D.200(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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriates	New Appropriates
057-1	State Bldg Constr-State	2,200,000				2,200,000
	Total	2,200,000	0	0	0	2,200,000

Future Fiscal Periods

	2023-25	2025-27	2027-29	2029-31
057-1 State Bldg Constr-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000381

SubProject Title: Bellingham Healthy Housing

Capital Project Request

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Project Number: 40000378

Project Title: 2021-23 Healthy Housing Remediation Program

SubProjects

SubProject Number: 40000381

SubProject Title: Bellingham Healthy Housing

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 10

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 rents 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 continue efforts to fund public, nonprofit, or private affordable housing developers' cleanup costs. Funding the program will invest in a social good (housing) beyond the traditional economic good of redeveloping contaminated properties for commercial and industrial purposes. Related to Puget Sound Action Agenda Implementation. (State Building Construction Account)

Project Description

The Bellingham Healthy Housing site is located on a 3-acre portion of the Georgia Pacific West site in the City of Bellingham. The proposed project consists of a mixed use redevelopment with a local food campus and affordable housing among other residential and commercial uses, such as workforce housing, work-live spaces, ground-floor commercial, a community kitchen, workforce training, and public open space.

Proviso

N/A

Location

City: Bellingham

County: Whatcom

Legislative District: 042

Project Type

Grants

Grant Recipient Organization: Local Governments, Nonprofit, and Private Housing Organizations

RCW that establishes grant: RCW 70.105D.200(4)(a)(iv)

Application process used

N/A

Growth Management impacts

Supports redevelopment of brownfield properties in urban areas.

Funding

Acct Code	Account Title	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Reappropriations
057-1	State Bldg Constr-State	2,600,000			2,600,000
	Total	2,600,000	0	0	2,600,000

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Project Number: 40000378

Project Title: 2021-23 Healthy Housing Remediation Program

SubProjects

SubProject Number: 40000381

SubProject Title: Bellingham Healthy Housing

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
Total		0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000382

SubProject Title: Mt. Baker Rainier and Genesee

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 10

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 rents 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 continue efforts to fund public, nonprofit, or private affordable housing developers' cleanup costs. Funding the program will invest in a social good (housing) beyond the traditional economic good of redeveloping contaminated properties for commercial and industrial purposes. Related to Puget Sound Action Agenda Implementation. (State Building Construction Account)

Project Description

The Mount Baker Rainier and Genesee site contains chlorinated solvent releases from three former dry cleaners and a location where a very large building was constructed on creosote piles. The project would redevelop this underutilized property into a 5-story commercial and residential complex with roughly 150 affordable housing units and 220 market rate units.

Proviso

N/A

Location

City: Seattle

County: King

Legislative District: 037

Project Type

Grants

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Project Number: 40000378

Project Title: 2021-23 Healthy Housing Remediation Program

SubProjects

SubProject Number: 40000382

SubProject Title: Mt. Baker Rainier and Genesee

Grant Recipient Organization: Local Governments, Nonprofit, and Private Housing Organizations

RCW that establishes grant: RCW 70.105D.200(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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriates	New Appropriates
057-1	State Bldg Constr-State	4,000,000				4,000,000
	Total	4,000,000	0	0	0	4,000,000

Future Fiscal Periods

	2023-25	2025-27	2027-29	2029-31
057-1 State Bldg Constr-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000383

SubProject Title: Skyway Housing

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Project Number: 40000378

Project Title: 2021-23 Healthy Housing Remediation Program

SubProjects

SubProject Number: 40000383

SubProject Title: Skyway Housing

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 10

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 rents 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 continue efforts to fund public, nonprofit, or private affordable housing developers' cleanup costs. Funding the program will invest in a social good (housing) beyond the traditional economic good of redeveloping contaminated properties for commercial and industrial purposes. Related to Puget Sound Action Agenda Implementation. (State Building Construction Account)

Project Description

The Skyway Redevelopment site contains contaminated soil and groundwater associated with a former dry cleaners. The project proponents have proposed a mix use redevelopment with commercial and retail space, a multifamily condominium with at least 100 affordable housing units, and community space.

Proviso

N/A

Location

City: Seattle

County: King

Legislative District: 037

Project Type

Grants

Grant Recipient Organization: Local Governments, Nonprofit, and Private Housing Organizations

RCW that establishes grant: RCW 70.105D.200(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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
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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Project Number: 40000378

Project Title: 2021-23 Healthy Housing Remediation Program

SubProjects

SubProject Number: 40000383

SubProject Title: Skyway Housing

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
Total		0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000385

SubProject Title: 2021-23 Healthy Housing Remediation Program Ten Year Plan

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 10

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 rents 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 continue efforts to fund public, nonprofit, or private affordable housing developers' cleanup costs. Funding the program will invest in a social good (housing) beyond the traditional economic good of redeveloping contaminated properties for commercial and industrial purposes. Related to Puget Sound Action Agenda Implementation. (State Building Construction Account)

Project Description

Ten-Year Financial Plan

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Grants

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Project Number: 40000378

Project Title: 2021-23 Healthy Housing Remediation Program

SubProjects

SubProject Number: 40000385

SubProject Title: 2021-23 Healthy Housing Remediation Program Ten Year Plan

Grant Recipient Organization: Local Governments, Nonprofit, and Private Housing Organizations

RCW that establishes grant: RCW 70.105D.200(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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriates	New Appropriates
057-1	State Bldg Constr-State	40,000,000				
	Total	40,000,000	0	0	0	0

Future Fiscal Periods

	Account Title	2023-25	2025-27	2027-29	2029-31
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

No Operating Impact

Ecology 2021-23 Capital Budget Project List
Toxics Cleanup Program
Healthy Housing Remediation Program

8/13/2020



Purpose: This list provides project details about the 2021-23 Healthy Housing Remediation Program 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 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	Project Title	Project Description	Phase of Cleanup	Amount (000's)	Site Address	City	County	Leg. District	Lat.	Long.
1	Capital Housing Staff	As more affordable housing projects are funded and the associated work ramps up, Ecology will need additional capacity to meet the demand for technical assistance and formal oversight of the required cleanup actions.	All	\$ 361	Statewide	Statewide	Statewide	Statewide	Statewide	Statewide
2	Mt. Baker Grand Street Commons	A Prospective Purchaser Consent Decree was signed by Ecology and the Mount Baker Housing Authority in May 2018. The Remedial Investigation is complete and the project is moving forward towards a Cleanup Action Plan (CAP). Additional funds will finalize the CAP, engineering design, and remedial action.	Cleanup Construction	\$ 2,200	1750 22nd Ave S	Seattle	King	37	47.59	-122.30
3	Bellingham Healthy Housing	The Bellingham Healthy Housing site is located on a 3-acre portion of the Georgia Pacific West site in the City of Bellingham. The proposed project consists of a mixed use redevelopment with a local food campus and affordable housing among other residential and commercial uses, such as workforce housing, work-live spaces, ground-floor commercial, a community kitchen, workforce training, and public open space.	Cleanup Construction	\$ 2,600	Cornwall Ave & Laurel Street	Bellingham	Whatcom	42	48.75	-122.48
4	Mt. Baker Rainier and Genesee	The Mount Baker Rainier and Genesee site contains chlorinated solvent releases from three former dry cleaners and a location where a very large building was constructed on creosote piles. The project would redevelop this underutilized property into a 5-story commercial and residential complex with roughly 150 affordable housing units and 220 market-rate units.	Cleanup Construction	\$ 4,000	4208 Rainier Ave. S.	Seattle	King	37	47.57	-122.29
5	Skyway Housing	The Skyway Redevelopment site contains contaminated soil and groundwater associated with a former dry cleaners. The project proponents have proposed a mixed use redevelopment with commercial and retail space, a multifamily condominium with at least 100 affordable housing units, and community space.	Cleanup Construction	\$ 1,000	12548 Renton Ave. S.	Seattle	King	37	47.49	-122.23
Total:				\$ 10,161						

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Report Number: CBS002

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Project Number: 40000340

Project Title: 2021-23 Eastern Washington Clean Sites Initiative

Description

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 12

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 funding 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 \$20,520,000 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 that will be funded with this request. Projects undergo review according to the Model Toxics Control Act (MTCA) regulatory process.

Ecology has reviewed the projects and they are ready to proceed according to the MTCA regulatory process. MTCA's cleanup process 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, that are in construction, that have permits or are in the permitting process, where design is complete or underway, or that are under contract.

In addition to projects being evaluated according to the MTCA regulatory process, the project list is prioritized based on:

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1. Continuing investments at sites with ongoing cleanup projects.

In 2013, significant changes were made to MTCA. Among them was direction for Ecology to plan hazardous site cleanup at a pace that matches the estimated cash resources in the MTCA accounts (RCW 70.105D.030). Prior to these changes, expensive multi-year projects were fully funded in a biennial budget, and resulted in large reappropriations and cash balances in the MTCA accounts.

Cleanups can take many years once a site has been contaminated 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 has been actively working toward this target by employing 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. Ecology considers in its prioritization process the next phase of funding needed to keep existing cleanup projects moving forward.

2. Applying 2015-17 and 2017-19 budget prioritization criteria.

These budgets authorized Ecology to delay the start of cleanup projects based on: acuity of need; readiness to proceed; cost-efficiency; purposes of increasing affordable housing; or, need to ensure geographic distribution. Ecology used this authority over the past three biennia to guide project priority.

3. Where groups of projects met all of the same budget prioritization criteria, projects were further ranked considering Ecology's regional and program priorities.

4. 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, received 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 106 jobs during the next two years based on Office of Financial Management estimates.

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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 2021-23. 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?

Local governments and communities will be positively affected as contaminated sites are returned to use, benefiting the local economy.

Ecology's TCP staff work with eastern Washington communities, stakeholders and property owners. They support this initiative.

What is the agency's proposed funding strategy for the project?

Ecology requests funding from the Model Toxics Control Capital Account (MTCA-Capital) for this project. The use of MTCA-Capital funds for this project is consistent with the purposes of MTCA, Chapter 70.105D RCW and the MTCA-Capital Account, RCW 70.105D.200, 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.

Every two years, Ecology is required to provide the Legislature with a comprehensive report: "Model Toxics Control Accounts (MTCA) Ten-Year Financial Report." Ecology produces this report in coordination with local governments that have cleanup responsibilities. It identifies the projected financial needs to cleanup up contaminated sites that are eligible for funding from the Model Toxics Control Capital Account. The MTCA 2018 10-Year Financing Report is available here: <https://fortress.wa.gov/ecy/publications/SummaryPages/1809052.html>.

The MTCA Ten-Year Financing Report describes how we plan to spend funds to clean up sites in the upcoming biennium and the next ten years. Ecology produces this report during even-numbered years.

Its companion report, the MTCA Biennial Report of Expenditures, describes how cleanup funds were spent over the previous biennium. Ecology produces the Biennial Report of Expenditures during odd-numbered years. Find the 2019 Biennial Report online at <https://fortress.wa.gov/ecy/publications/SummaryPages/1909045.html>.

Are FTEs required to support this project?

No.

How does the project support the agency and statewide results?

This request is essential to implementing Ecology's strategic plan goal to Prevent and Reduce Toxic Threats and Pollution, by cleaning up contaminated sites in order to protect human health and the environment. It also contributes resources to continue

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Description

activity A005, Clean Up the Most Contaminated Sites First (Upland and Aquatic). This request also ensures this element of Ecology's strategic plan achieves statewide implementation.

The request is also essential in supporting the Governor's Energy and Environment priority issues by investing funds to clean up contaminated sites and protect public health and natural resources. It also supports Results Washington Goal 3: Sustainable Energy and a Clean Environment, by cleaning up and managing contaminated sites that pose threats to public health, the environment, groundwater, and fish and wildlife resources.

This work also supports Goal 2, Prosperous Economy by creating and supporting jobs and making 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?

Local governments will be positively affected as contaminated sites are returned to use, benefiting the local economy.

What is the impact on the state operating budget?

None.

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

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
23N-1	MTC Capital Account-State	60,520,000				20,520,000
	Total	60,520,000	0	0	0	20,520,000
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
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	

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Project Number: 40000340

Project Title: 2021-23 Eastern Washington Clean Sites Initiative

Operating Impacts

No Operating Impact

SubProjects

SubProject Number: 40000341

SubProject Title: Pasco Landfill

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 12

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 funding 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 2021–23 funding will support third-party observation of the removal and cleanup of 35,000 drums of flammable hazardous substances that are leaking to groundwater. Drum removal should be complete in early 2022, followed by in-situ thermal treatment of the leaked contamination.

Proviso

N/A

Location

City: Pasco

County: Franklin

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		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
23N-1	MTC Capital Account-State	300,000			300,000
	Total	300,000	0	0	300,000

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Project Number: 40000340

Project Title: 2021-23 Eastern Washington Clean Sites Initiative

SubProjects

SubProject Number: 40000341

SubProject Title: Pasco Landfill

	Future Fiscal Periods			
	2023-25	2025-27	2027-29	2029-31
23N-1 MTC Capital Account-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000342

SubProject Title: Central Washington University Jongeward Services Building

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 12

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 funding 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

This site is impacted by a release from large, concrete, underground storage tanks that supplied diesel to Central Washington University. As a result, there are elevated levels of diesel-range petroleum hydrocarbons in soil and groundwater. Nutrient injections were completed in 2017 to stimulate attenuation. Initial monitoring results after injections indicated a rebound in concentrations. Ecology expects to see improved attenuation results during future monitoring. The requested funding supports the 8 quarters of monitoring throughout the 2021-23 biennium.

Proviso

N/A

Location

City: Ellensburg

County: Kittitas

Legislative District: 013

Project Type

Grants

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Project Number: 40000340

Project Title: 2021-23 Eastern Washington Clean Sites Initiative

SubProjects

SubProject Number: 40000342

SubProject Title: Central Washington University Jongeward Services Building

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriates	New Appropriates
23N-1	MTC Capital Account-State	120,000				120,000
	Total	120,000	0	0	0	120,000

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
23N-1	MTC Capital Account-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000343

SubProject Title: Colville Post & Pole

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Project Number: 40000340

Project Title: 2021-23 Eastern Washington Clean Sites Initiative

SubProjects

SubProject Number: 40000343

SubProject Title: Colville Post & Pole

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 12

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 funding 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

Wood, primarily fence posts and rails, were 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. Ecology is currently working with a technology vendor to verify the most cost-effective cleanup from the Feasibility Study. The 2021-23 budget request will support remediation of half the site over the course of one year. Similar funds will be required in 2023-25 for the second portion of the site.

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.

Proviso

N/A

Location

City: Colville

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

Funding

Acct Code	Account Title	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Reappropriations
23N-1	MTC Capital Account-State	10,000,000			10,000,000
Total		10,000,000	0	0	0

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Project Number: 40000340

Project Title: 2021-23 Eastern Washington Clean Sites Initiative

SubProjects

SubProject Number: 40000343

SubProject Title: Colville Post & Pole

	Future Fiscal Periods			
	2023-25	2025-27	2027-29	2029-31
23N-1 MTC Capital Account-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000344

SubProject Title: LeRoi Co Smelter - Northport

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 12

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 funding 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

Project will clean up the waterfront and nearshore, create safe recreational areas, reduce aquatic life risks, preserve infrastructure, and act as a catalyst for community-level infrastructure improvement initiatives now under way. Cleanup of metal smelting contamination will reduce risks to both users and the environment. The Feasibility Study will be complete in late 2020 and the requested funding is expected to cover the full cost of the cleanup based on estimates from similar projects. Possible cleanup options could include removing or capping the smelter-related wastes in this area, which contain several metals, including arsenic, cadmium, chromium, copper, lead, and zinc.

Proviso

N/A

Location

City: Northport

County: Stevens

Legislative District: 007

Project Type

Grants

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Project Number: 40000340

Project Title: 2021-23 Eastern Washington Clean Sites Initiative

SubProjects

SubProject Number: 40000344

SubProject Title: LeRoi Co Smelter - Northport

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		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Reappropriations
23N-1	MTC Capital Account-State	10,000,000			10,000,000
	Total	10,000,000	0	0	0

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
23N-1	MTC Capital Account-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000345

SubProject Title: Stubblefield Salvage Yard

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Project Number: 40000340

Project Title: 2021-23 Eastern Washington Clean Sites Initiative

SubProjects

SubProject Number: 40000345

SubProject Title: Stubblefield Salvage Yard

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 12

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 funding 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 Remedial Investigation and Feasibility Study of the former metal salvaging business in Walla Walla were completed in the first part of 2020. Contaminants include metals, diesel-range petroleum hydrocarbons, polychlorinated biphenyls (PCBs), and polycyclic aromatic hydrocarbons (PAHs). Toward the end of the 2019–21 biennium, Ecology anticipates beginning cleanup through a combination of capping, excavation, and disposal activities. The 2021–23 funding will complete the cleanup and allow for more efficient use of resources by combining cleanup activities with the future development plans.

Proviso

N/A

Location

City: Walla Walla

County: Walla Walla

Legislative District: 016

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
23N-1	MTC Capital Account-State	100,000				100,000
	Total	100,000	0	0	0	100,000

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Project Number: 40000340

Project Title: 2021-23 Eastern Washington Clean Sites Initiative

SubProjects

SubProject Number: 40000345

SubProject Title: Stubblefield Salvage Yard

	Future Fiscal Periods			
	2023-25	2025-27	2027-29	2029-31
23N-1 MTC Capital Account-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000373

SubProject Title: 2021-23 Eastern Washington Clean Sites Initiative Ten-Year Plan

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 12

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 funding 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

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Project Title: 2021-23 Eastern Washington Clean Sites Initiative

SubProjects

SubProject Number: 40000373

SubProject Title: 2021-23 Eastern Washington Clean Sites Initiative Ten-Year Plan

Funding

Acct Code	Account Title	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
23N-1	MTC Capital Account-State	40,000,000			
	Total	40,000,000	0	0	0

Future Fiscal Periods

		2023-25	2025-27	2027-29	2029-31
		10,000,000	10,000,000	10,000,000	10,000,000
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 2021-23 Capital Budget Project List
Toxics Cleanup Program
Eastern Washington Clean sites Initiative
8/13/2020



Purpose: This list provides project details about the 2021-23 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 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	Project Title	Project Description	Phase of Cleanup	Amount ('000s)	Prgm/Region	Site Address	City	County	Leg. District	Lat.	Long.
1	Pasco Landfill	The 2021-23 funding will support third-party observation of the removal and cleanup of 35,000 drums of flammable hazardous substances that are leaking to groundwater. Drum removal should be complete in early 2022, followed by in-situ thermal treatment of the leaked contamination.	Cleanup Construction	\$ 300	TCP / ERO	Kahlottus Rd & HWY 12	Pasco	Franklin	9	46.25	-119.05
2	Central Washington University Jongeward Services Building	This site is impacted by a release from large, concrete, underground storage tanks that supplied diesel to Central Washington University. As a result, there are elevated levels of diesel-range petroleum hydrocarbons in soil and groundwater. Nutrient injections were completed in 2017 to stimulate attenuation. Initial monitoring results after injections indicated a rebound in concentrations. Ecology expects to see improved attenuation results during future monitoring. The requested funding supports the 8 quarters of monitoring throughout the 2021-23 biennium.	Operations and Maintenance or Monitoring	\$ 120	TCP / CRO	400 E University Way	Ellensburg	Kittitas	13	47.00	-120.54
3	Colville Post & Poles	Wood, primarily fence posts and rails, were 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. Ecology is currently working with a technology vendor to verify the most cost-effective cleanup from the Feasibility Study. The 2021-23 budget request will support remediation of half the site over the course of one year. Similar funds will be required in 2023-25 for the second portion of the site. 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.	Cleanup Construction	\$ 10,000	TCP / ERO	HWY 395	Colville	Stevens	7	48.58	-117.96

Rank	Project Title	Project Description	Phase of Cleanup	Amount ('000s)	Prgm/Region	Site Address	City	County	Leg. District	Lat.	Long.
4	LeRoi Co Smelter	Project will clean up the waterfront and nearshore, create safe recreational areas, reduce aquatic life risks, preserve infrastructure, and act as a catalyst for community-level infrastructure improvement initiatives now under way. Cleanup of metal smelting contamination will reduce risks to both users and the environment. The Feasibility Study will be complete in late 2020 and the requested funding is expected to cover the full cost of the cleanup based on estimates from similar projects. Possible cleanup options could include removing or capping the smelter-related wastes in this area, which contain several metals, including arsenic, cadmium, chromium, copper, lead, and zinc.	Cleanup Construction	\$ 10,000	TCP / ERO	117 Park Rd	Northport	Stevens	7	48.92	-117.77
5	Stubblefield Salvage Yard	The Remedial Investigation and Feasibility Study of the former metal salvaging business in Walla Walla were completed in the first part of 2020. Contaminants include metals, diesel-range petroleum hydrocarbons, polychlorinated biphenyls (PCBs), and polycyclic aromatic hydrocarbons (PAHs). Toward the end of the 2019–21 biennium, Ecology anticipates beginning cleanup through a combination of capping, excavation, and disposal activities. The 2021–23 funding will complete the cleanup and allow for more efficient use of resources by combining cleanup activities with the future development plans.	Cleanup Construction	\$ 100	TCP / ERO	595 Offner Rd	Walla Walla	Walla Walla	16	46.07	-118.37
Total:				\$ 20,520							

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Date Run: 9/4/2020 9:10AM

Project Number: 40000438

Project Title: 2021-23 PFAS Contaminated Drinking Water

Description

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 15

Project Summary

Per- and polyfluorinated alkyl substances (PFAS) 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. This request will provide funding for projects in Issaquah, Lakewood, and Spokane, where community water supplies are contaminated with PFAS. (State Building Construction Account)

Project Description**What is the proposed project?**

Ecology is requesting \$15,276,000 from the State Building Construction Account to address Per- and polyfluorinated alkyl substances (PFAS) in drinking water supplies in three communities in the state. PFAS are a family of chemicals used since the 1950s in manufacturing coatings, surface treatments, and specialty chemicals used in cookware, carpets, food packaging, clothing, cosmetics, and other common consumer products. PFAS also have many industrial applications and are an active ingredient in Class B firefighting foams. They have become a serious public health concern across both our country and state. Over the decades, PFAS released from manufacturing sites, landfills, firefighting foam, and other products have seeped into surface soils. From there, PFAS can leach into groundwater and contaminate drinking water supplies. PFAS have also been found in rivers, lakes, fish, and wildlife.

Most PFAS exposures occur when someone eats PFAS contaminated food, or drinks PFAS contaminated water. When ingested, PFAS can accumulate in the body. Communities that find PFAS in their drinking water supply systems face regulatory uncertainty and expensive alternatives for treating and cleaning up the contaminated water sources to protect public health. This request would support investments in communities dealing with PFAS contamination in their drinking water systems.

There is little toxicity or safety data for most of the PFAS in use. The U.S. Environmental Protection Agency (EPA) has set a lifetime health advisory level for two PFAS chemicals; Perfluorooctane sulfonate (PFOS) and Perfluorooctanoic acid (PFOA). If a water supply system in Washington is contaminated with combined levels of PFOS/PFOA above 70 parts per trillion, the public must be notified. But right now, there is no requirement for a community to provide bottled water to their customers or for the water to be treated. The Washington State Board of Health is in the midst of rulemaking to set standards for PFAS in drinking water, which are expected in the latter half of 2021. (Revisions to Group A Public Water Supplies under Chapter 246-290 WAC)

Until those standards are set, individual communities must decide how to provide safe drinking water. Providing bottled water, or building expensive treatment systems with costly operation and maintenance into the future, are short-term solutions some communities must pursue. Long-term, communities will need permanent cleanup remedies that require complete characterization of the PFAS contamination.

What opportunity or problem is driving this request?

The following projects would support investments to protect public health and drinking water supplies and drive this capital budget request:

Lower Issaquah Valley (\$750,000)

Ecology has been working with the City of Issaquah and Eastside Fire & Rescue to investigate contamination and design a pilot PFAS cleanup in the Issaquah Valley Aquifer.

PFAS contamination was discovered in drinking water supply wells in the City of Issaquah, which is suspected to be associated

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Project Number: 40000438

Project Title: 2021-23 PFAS Contaminated Drinking Water

Description

with historical use of aqueous film-forming foam (AFFF) during firefighting training exercises in the Lower Issaquah Valley. During the 2019-21 Biennium, Ecology was appropriated \$400,000 to assist with the characterization of these emerging contaminants of concern at several locations within the Lower Issaquah Valley as part of a study that may ultimately support development of statewide PFAS regulations. An additional \$750,000 is needed in the 2021-23 Biennium to continue to build a better understanding of the extent and nature of PFAS contamination in the Lower Issaquah Valley, as well as other potentially impacted areas, fill data gaps after new state regulations are released (expected during 2021), and help develop effective treatment techniques that will help remediate source areas. Consultants will be hired to conduct quarterly groundwater monitoring, develop a design for cleanup action, and perform any other required activities to cleanup source areas.

Lakewood Water District (\$4,536,000)

In 2017, Joint Base Lewis-McChord (JBLM) notified Lakewood Water District (the District) of the discovery of PFAS in a number of drinking water wells on the base. These compounds present health risks especially to infants and pregnant/nursing women.

The District began a program of testing and monitoring for PFAS and discovered that these contaminants have migrated off JBLM and contaminated six of the District's wellfields, including the Scotts Wellfield. The Scotts Wellfield is one of the largest and most important sources of drinking water for the District. It supplies more than 14 percent of the District's more than 48 million gallons of water per day.

This project will plan, design, permit, and construct a water treatment facility at Lakewood Water District's Scotts Wellfield to remove PFAS from drinking water. The current design work is taking place now – prior to Department of Health (DOH) finalizing the State Advisory Levels (SALs) later next year, and prior to Ecology establishing a cleanup level once the SALs are finalized. However, planning for treatment of PFAS can proceed now and can be effective for taking early action to protect against ongoing exposure to PFAS. The Lakewood Water District plans for a Granular Activated Carbon (GAC) filtration system. GAC is an industry standard for removing PFAS from groundwater.

City of Spokane (\$9,990,000)

In May of 2017, PFAS was detected in the City of Airway Heights' water system. Water from three wells had PFAS concentrations higher than EPA's health advisory level.

Immediately after PFAS were detected, the City of Airway Heights alerted customers and took actions to ensure the quality of the drinking water. These actions included removing the contaminated drinking water supply wells from service, flushing the water lines, placing temporary restrictions on use of water for drinking and cooking, and distributing bottled water to residents. Airway Heights then secured an alternate and emergency source of uncontaminated drinking water through interconnections with the City of Spokane. The water source for Airway Heights is currently safe to drink, but only due to the City of Spokane providing the emergency water supply.

The increased water flow has stressed the two pressure zones that meet the added demand of Airway heights. To continue to sustainably provide emergency water supply to Airway Heights, the City of Spokane must increase their booster capacity and construct new transmission mains to decrease the flow velocity at the high stress points. This will provide a sustainable solution for safe drinking water to Airway Heights until the PFAS contamination can be addressed.

What are the specific benefits of this project?

Ecology and communities with PFAS contaminated drinking water both benefit. Communities receive the benefit of state support for the costly investigation and cleanup work, while Ecology builds its knowledge about appropriate cleanup actions and the associated cleanup costs.

This request will also provide economic benefits to the state by creating up to 86 jobs during the next two years based on Office of Financial Management estimates.

What are the effects of non-funding?

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Description

Cleanup remedies to address PFAS in public drinking water sources require new cleanup approaches and technologies. These projects will help Ecology learn the best methods for locating the source of the contamination and cleaning it up. Without a continuing investment and partnership with these communities, Ecology would be less informed about how best to characterize, evaluate, design, and clean up these types of sites. The City of Issaquah and Eastside Fire and Rescue have been investing in the project and continue to contribute to monitoring and remediation work.

Additionally, the infrastructure projects to improve drinking water systems would not have the support of state investment if this proposal is not funded. The Lakewood Water District has consultant contracts in place to design a filtration system to remove PFAS from groundwater. In Spokane, they are investing their own funds and other state loan funds to construct a new reservoir and transmission piping. This work is separate from, but provides related improvements, within the same pressure zone as the proposed project associated with this request.

Why is this the best option or alternative?

Past investments by Legislature in PFAS projects in the Issaquah Valley were funded from the State Building Construction Account:

- Department of Commerce (Commerce) (ESSB 6095, Section 1012, PFAS Pilot Project = \$206,000 SBCA)
- Ecology (SHB 1102, Section 3103, PFAS Pilot Project = \$400,000 SBCA)

The proposed projects in this capital request are similar to ones that could be funded through Ecology's Remedial Action Grant (RAG) program's safe drinking water grants, but they do not currently qualify for RAG because a cleanup level for PFAS has not been set. Having an established cleanup level is an eligibility requirement for the RAG program. If a cleanup level is established in the future, these types of projects may qualify in the future for grant funding through the RAG program.

At Lakewood, the project is eligible for funding through Commerce's Defense Community Compatibility Account (DCCA – fund 23H), created in 2019. This account may support necessary infrastructure near Washington's military installations. The Scotts Wellfield project near Lakewood was included as a possible capital budget request in the DCCA's January 2020 Legislative Report (<https://www.commerce.wa.gov/wp-content/uploads/2020/02/Defense-Community-Compatibility-Account-1.pdf>). This project would directly address the contamination by treating for PFAS.

In Spokane, the project may be eligible for DOH's Drinking Water State Revolving Fund, Commerce's Public Works Trust Fund, or Commerce's DCCA. The community currently has safe drinking water, but is requesting infrastructure improvements to support the emergency water supply.

Ecology is coordinating with DOH and Commerce to determine if the Lakewood and Spokane projects will be proposed for any of these other funding programs in the 2021-23 Biennium.

How will clients be affected and services change if this project is funded?

Ecology has already been working with communities whose drinking water is contaminated with PFAS. The impact of this request on other governments will be to offer continued and expanded technical assistance as contamination is characterized and cleaned up, and to provide funding for the proposed infrastructure improvements.

What is the agency's proposed funding strategy for the project?

Ecology requests this project be funded through the State Building Construction Account. The Legislature has already made investments to address the City of Issaquah's PFAS water contamination with past state bond appropriations to both Ecology and Commerce.

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Project Title: 2021-23 PFAS Contaminated Drinking Water

Description

In the future, Ecology may be able to recover these project costs. The timing of that cost recovery would be dependent on a number of factors: 1) the timing of the DOH's rulemaking to establish State Advisory Levels for PFAS; 2) the timing of Ecology establishing a cleanup level for PFAS; and 3) whether Ecology is able to identify and formally name potentially liable parties for PFAS contamination at these sites.

Are FTEs required to support this project?

None.

How does the project support the agency and statewide results?

This request is essential to implementing goals in Ecology's strategic plan because it Prevents and Reduces Toxic Threats and Pollution and Supports our Communities Customers, and Employees, by cleaning up contaminated sites to protect human health and the environment. It contributes resources to continue activity A005, Clean Up the Most Contaminated Sites First (Upland and Aquatic).

This request is essential to support the Governor's Energy and Environment issue by investing funds to clean up contaminated sites and protect public health and natural resources.

This request provides essential support to the Governor's Results Washington Goal 3: Sustainable Energy and a Clean Environment by increasing Ecology's capability to characterize, cleanup, and support infrastructure improvements at PFAS contaminated sites.

How will the other state programs or units of government be affected if this project is funded?

Ecology has worked with DOH to develop a chemical action plan (CAP) that identifies sources and recommends actions to reduce the use, release, and exposure to PFAS in Washington. Ecology provided review and input into DOH's November 2019 draft recommended State Action Levels (SALs) for PFAS substances in drinking water, and continues to coordinate with DOH on the draft SALs.

Ecology has a separate, but related 2021-23 capital budget request for continued support for its Product Replacement Program, which focuses on removing and replacing toxic chemicals present in products, processes, and technologies to help prevent them 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 toxic chemicals, like PFAS, at the source.

What is the impact on the state operating budget?

None.

Proviso

N/A

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Grants

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Project Title: 2021-23 PFAS Contaminated Drinking Water

Description

Grant Recipient Organization: Local Governments

RCW that establishes grant: N/A

Application process used
N/AGrowth Management impacts
N/A**Funding**

Acct Code	Account Title	Estimated Total	Expenditures		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	15,276,000				15,276,000
	Total	15,276,000	0	0	0	15,276,000

Future Fiscal Periods

	Account Title	2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProjects

SubProject Number: 40000439

SubProject Title: PFAS Pilot

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Project Number: 40000438

Project Title: 2021-23 PFAS Contaminated Drinking Water

SubProjects

SubProject Number: 40000439

SubProject Title: PFAS Pilot

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 15

Project Summary

Per- and polyfluorinated alkyl substances (PFAS) 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. This request will provide funding for projects in Issaquah, Lakewood, and Spokane, where community water supplies are contaminated with PFAS. (State Building Construction Account)

Project Description

Continues work with the local fire station in Issaquah to address known PFAS contamination and help develop cleanup standards for PFAS as a contaminant of concern.

Proviso

N/A

Location

City: Issaquah

County: King

Legislative District: 005

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	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
057-1	State Bldg Constr-State	750,000			750,000
	Total	750,000	0	0	750,000

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

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Project Number: 40000438

Project Title: 2021-23 PFAS Contaminated Drinking Water

SubProjects

SubProject Number: 40000439

SubProject Title: PFAS Pilot

No Operating Impact

SubProject Number: 40000440

SubProject Title: Scotts Wellfield PFAS Contamination

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 15

Project Summary

Per- and polyfluorinated alkyl substances (PFAS) 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. This request will provide funding for projects in Issaquah, Lakewood, and Spokane, where community water supplies are contaminated with PFAS. (State Building Construction Account)

Project Description

This project will plan, design, permit and construct water treatment facility at Lakewood Water District's Scotts Wellfield to remove perfluorinated compounds (PFAS) from drinking water.

Proviso

N/A

Location

City: Lakewood

County: Pierce

Legislative District: 029

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	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
057-1	State Bldg Constr-State	4,536,000			4,536,000
	Total	4,536,000	0	0	4,536,000

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Project Number: 40000438

Project Title: 2021-23 PFAS Contaminated Drinking Water

SubProjects

SubProject Number: 40000440

SubProject Title: Scotts Wellfield PFAS Contamination

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000441

SubProject Title: West Plains PFAS Supply Improvements

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 15

Project Summary

Per- and polyfluorinated alkyl substances (PFAS) 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. This request will provide funding for projects in Issaquah, Lakewood, and Spokane, where community water supplies are contaminated with PFAS. (State Building Construction Account)

Project Description

The City of Spokane has been providing emergency water to the City of Airway Heights due to perfluorinated compounds (PFAS) contaminated drinking water wells. The increased water flow has stressed the two pressure zones that meet the added demand of Airway Heights. To continue to sustainably provide emergency water supply to Airway Heights the City of Spokane must increase their booster capacity and construct new transmission mains to decrease the flow velocity at the high stress points. This will provide a sustainable solution for safe drinking water to Airway Heights until the PFAS contamination can be addressed.

Proviso

N/A

Location

City: Spokane

County: Spokane

Legislative District: 006

Project Type

Grants

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Project Number: 40000438

Project Title: 2021-23 PFAS Contaminated Drinking Water

SubProjects

SubProject Number: 40000441

SubProject Title: West Plains PFAS Supply Improvements

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	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Reappropriations
057-1	State Bldg Constr-State	9,990,000			9,990,000
	Total	9,990,000	0	0	9,990,000

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

Ecology 2021-23 Capital Budget Project List 2021-23 PFAS Contaminated Drinking Water 7/1/2020

Purpose: This list provides project details about the 2021-23 PFAS Contaminated Drinking Water budget request. This list represents cleanup projects that are addressing perfluorinated compounds (PFAS) as a contaminant of concern in drinking water. This list is a plan based on the best information available to Ecology. The plan may change as more information becomes available.

Rank	Applicant	Project Title	Project Description	Cost ('000s)	Site Address	City	County	Leg. District	Lat.	Long.
1	Eastside Fire & Rescue	PFAS Pilot	Continues work with the local fire station in Issaquah to address known PFAS contamination and help develop cleanup standards for PFAS as a contaminant of concern.	\$ 750	N/A	Issaquah	King	5	47.32	-122.02
2	Lakewood Water District	Scotts Wellfield PFAS Contamination	This project will plan, design, permit and construct water treatment facility at Lakewood Water District's Scotts Wellfield to remove perfluorinated compounds (PFAS) from drinking water.	\$ 4,536	4205 TO 4215 108TH ST SW	Lakewood	Pierce	29	47.16	-122.49
3	Spokane city of	West Plains PFAS Supply Improvements	The City of Spokane has been providing emergency water to the City of Airway Heights due to perfluorinated compounds (PFAS) contaminated drinking water wells. The increased water flow has stressed the two pressure zones that meet the added demand of Airway Heights. To continue to sustainably provide emergency water supply to Airway Heights the City of Spokane must increase their booster capacity and construct new transmission mains to decrease the flow velocity at the high stress points. This will provide a sustainable solution for safe drinking water to Airway Heights until the PFAS contamination can be addressed.	\$ 9,990	2824 N Mayfair Street	Spokane	Spokane	6	47.68	-117.41
Total:				\$ 15,276						

Capital Project Request

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Project Number: 40000390

Project Title: 2021-23 Reducing Diesel GHG & Toxic Emissions

Description

Starting Fiscal Year: 2022

Project Class: Grant - Pass Through

Agency Priority: 19

Project Summary

Transportation is the largest source of climate pollution in Washington, accounting for nearly half of all greenhouse gas emissions in the state. An Ecology air pollution cancer risk study shows that diesel exhaust is responsible for 70 percent of Washington's airborne cancer risk (Concerns about Adverse Health Effects of Diesel Engine Emissions, Publication 0802032). Diesel exhaust puts healthy people at greater risk for respiratory disease and worsens the health of people with asthma, heart, and lung disease. Tens of thousands of older, high-polluting diesel vehicles and equipment operate in Washington each year. For the 2021-23 Biennium, the primary focus for this pass-through grant program will be the electrification of school buses, but it will also continue to support the installation of idle reduction technology, diesel engine replacement, and the electrification of other diesel vehicles, especially in disproportionately impacted communities. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

What is the proposed project?

Ecology requests \$15.0 million in grant funding to reduce greenhouse gases and toxic emissions from diesel engines. Ecology will prioritize emissions reduction in communities with populations that are at high health risk and that are already highly exposed to diesel pollution.

Over the last few years, both the Governor and Legislature have supported policies and initiatives designed to address climate change and improve public health by accelerating the transition from fossil fuels to a zero-emission transportation system. In 2020, the Legislature revised the state's long-term greenhouse gas emission reduction target to 95 percent below 1990 levels by 2050. Ecology previously set a target to reduce statewide toxic diesel particulate emissions to 3,100 tons emitted annually by 2020. The state is currently not meeting the diesel particulate target, and aggressive action is needed to meet the state's new long-term greenhouse gas emission target.

With this capital request, Ecology intends to expand the clean diesel program activities to address greenhouse gas emissions in support of the revised state target, while continuing work to reduce toxic diesel emissions in order to protect Washington's most sensitive populations. The primary objective for this request will be to electrify school buses, but grants will also continue to support idle reduction and diesel engine replacement projects.

This request will fund projects across Washington that reduce exposure to toxic diesel pollution among sensitive populations, including school children, school bus drivers, teachers, parents, and people with existing health problems that put them at increased risk. By investing in electric school buses, we are investing in a healthier future for students and their communities. This request can also provide economic stimulus by creating jobs, reducing fuel and maintenance costs, and offsetting vehicle replacement costs.

Funding Includes:

- Up to \$10,000,000 to scrap and replace up to 40 older diesel school buses with new zero-emission, all-electric school buses, including associated charging infrastructure.

- Up to \$3,500,000 to scrap and replace up to 100 of the oldest diesel school buses with new low-emissions diesel or propane buses in school districts where all electric buses may not appropriate.

- Up to \$1,500,000 to provide matching funds for federal Diesel Emissions Reduction Act (DERA) projects and fund other diesel emission reduction projects. Potential projects include:

- 1) Scrapping and replacing publicly and privately owned diesel engines, vehicles, and equipment with diesel with alternative fuel, or electric engine repowers or replacements.

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Description

2) Installing idle reduction technologies on existing diesel engines.

Program Details:Zero Emission School Bus Replacement

The primary objective for this request is to electrify school buses in support of the state's long-term greenhouse gas emission reduction targets and improve public health by accelerating the transition from fossil fueled school buses to zero-emission buses.

More than four million Washingtonians live or work close to transportation corridors where they are exposed to high levels of toxic diesel exhaust (Ecology Clean Diesel Strategy 2008, Publication 06-02-022). Large numbers of diesel engines operate in or near Washington's urban areas, transportation corridors, and school yards. These diesel emission hotspots adversely impact sensitive and general populations, but especially disproportionately impacted communities, and children.

Ecology and the Department of Health collaborated to develop a mapping tool to specifically identify communities whose health has been disproportionately impacted by diesel emissions. (Washington State Department of Health's Washington Tracking Network Tool). Ecology will use this tool to prioritize school bus electrification projects in areas identified as disproportionately impacted.

Propane and Low Emission Diesel School Bus Replacement

Ecology proposes to fund propane and low emission diesel school bus replacement mainly in disproportionately impacted communities, and other rural, low-income areas. These clean diesel grants will target schools primarily in Central and Eastern Washington, where severely cold weather can make electric school buses less efficient and less desirable for school districts. Ecology will use the Washington State Department of Health's Washington Tracking Network Tool to prioritize school bus replacement awards for projects in areas identified as disproportionately impacted.

Leveraging Additional Federal Funds

Since 2005, the clean diesel retrofit and replacement programs have annually reduced 74 tons of toxic particulate emissions, reduced 10,000 tons of greenhouse gases, and leveraged \$25 million in additional federal, local-public, and private funds (Department of Ecology Diesel Grant Records, 2005 to current).

The Environmental Protection Agency (EPA) provides additional federal funds to states that provide matching funds under the Diesel Emissions Reduction Act Program (State DERA). The \$1.5 million can match up to \$2.25 million in federal funding. This funding will be used for projects eligible under EPA's State DERA grant program guidelines. This funding will address emissions from other types of diesel engines, other than school buses, and complement work already completed under the Volkswagen (VW) program to reduce greenhouse gases. Ecology will work with EPA and other local agency partners to identify and prioritize projects in disproportionately impacted communities associated with ports, freight distribution centers, rail yards, and transportation corridors.

Why it Matters

According to Ecology's 2017 statewide emissions inventory, diesel engines emitted 3,930 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. But this is not happening fast enough.

For 15 years, Ecology's clean diesel program has targeted high-polluting, heavy-duty diesel engines in areas disproportionately impacted by diesel emissions. Between 2005 and 2020, over \$82 million in pass-through funding to local entities helped reduce Washington's greenhouse gases and diesel particulate emissions. Ecology and local partners administered retrofit and replacement programs that reduced emissions from over 15,700 diesel engines (Department of Ecology Diesel Grant Records,

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Description

2005 to current). This program is nationally recognized as a leader in reducing diesel emissions. Since 2005, Ecology's clean diesel program has:

- Installed retrofit emissions controls on more than 13,000 diesel engines.
- Scrapped and replaced more than 1,000 old, high-polluting diesel vehicles and engines with newer, cleaner ones.
- Installed idle reduction technologies on more than 1,700 diesel engines.

Complementing investments from the Volkswagen (VW) settlement

In 2015, EPA issued a notice of violation to the automaker Volkswagen, after it was discovered that the company illegally installed software on many of its diesel vehicles. Both Federal settlement funds and state penalty funds have since been used to mitigate the impacts of the illegal diesel emissions. Ecology expects to obligate the majority of VW settlement funds the state has received by the end of 2019-21 Biennium.

The Legislature directed the majority of the \$28.4 million state settlement towards clean diesel school buses and zero-emission transit buses. Ecology worked with an advisory panel to prioritize funding from the federal VW settlement (\$112.7 million), and targeted projects that will accelerate our state's transition to zero-emission transportation technologies. To date, these investments have included zero-emission school and transit buses, and working with Washington State Ferries to retrofit one of their Jumbo Mark II ferries to operate partially on battery power.

With the experience gained from implementing these zero-emissions transportation technology projects, moving forward, funding for the Ecology's Clean Diesel Program will be able to complement the work completed under the VW settlement.

What opportunity or problem is driving this request?

Of the approximately 10,800 diesel school buses operating in Washington, about 2,000 do not meet current emissions standards and will be replaced as part of natural fleet turnover (Office of Superintendent of Public Instruction School Bus Inventory Report March 2020). Washington currently has only one electric school bus in operation.

As a result of Ecology grants during the 2019-21 Biennium, Washington's school districts will put another 40 electric school buses in operation during in the 2020-2021 school year (Department of Ecology VW Grant Records 2020). However, Washington's school bus fleet is less than one percent of the way toward full electrification.

Depending on size and type, electric school buses cost \$200,000 to \$260,000 more than a comparable diesel school bus, not including the associated charging infrastructure (Office of Superintendent of Public Instruction State Quote Specifications 2020). Washington will potentially need approximately \$4 billion to fully electrify the state's entire school bus fleet. This investment is substantial and will require many years to complete. Electrifying the state's school bus fleet without grant funding places an enormous financial strain on school districts budgets already challenged by the current economic crisis caused by the COVID-19 pandemic. This request will reduce the financial burden faced by school districts by providing grant funding to replace old buses and to close the gap between the cost of an electric school bus and a conventional diesel school bus.

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 (IARC Monograph 105 at <http://monographs.iarc.fr/ENG/Monographs/vol105/>). It contains fine particles, carcinogenic substances, black carbon, nitrogen oxides, and carbon dioxide. Fine particles, and the chemicals attached on the surface of those particles, increase the risk of serious heart and lung diseases and some cancers. Those 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. More populated and

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economically disadvantaged communities clustered near major highways and road networks are exposed to higher amounts of air pollution than people in other areas. It is an important health concern for these communities and a high priority for Ecology to continue reducing these emissions.

Reducing emissions in areas adjacent to Puget Sound helps protect the waters of Puget Sound by reducing airborne pollutants deposited to surface waters.

Reducing children's 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 40 electric buses, additional funding is necessary to allow districts to understand the performance characteristics and economics of operating electric buses, and to help them plan for further electrification efforts.

New idle reduction technologies pre-heat engines or automatically shut off diesel engines after preset criteria or elapsed times have occurred. Also, small auxiliary engines, or battery systems, can be used to provide necessary on-board power for heating, cooling, and other electronic and operational systems. Reducing engine idle time not only reduces releases of, and exposure to, toxic emissions and the emissions that cause climate change, it reduces fuel use, saving owners and operators money. It also preserves large, capital equipment by reducing operating hours and maintenance.

In summary, this request will:

- Reduce emissions that cause climate change.
- Reduce public exposure to harmful toxic and carcinogenic pollutants.
- Reduce health care costs for Washington residents.
- Reduce deposition of harmful pollutants, protecting rivers, streams, lakes, and Puget Sound.
- Reduce fuel use and equipment operating costs.
- Help public sector entities get access to scarce capital resources that help preserve jobs and stimulate the economy.

What are the specific benefits of this project?

This request can provide economic stimulus by offsetting vehicle replacement costs, and reducing maintenance and operation costs. It provides real and immediate benefits to the most vulnerable members of our population, especially in areas that have been historically disproportionately impacted by diesel emissions. By investing in electric school buses, we are investing in a healthier future for students and their communities.

By prioritizing funding projects that serve disproportionately impacted communities, Ecology and state government will demonstrate a commitment to provide benefits to these underserved communities. As electric school buses drive through our neighborhoods, we also demonstrate the feasibility to electrify both public and private vehicles and equipment statewide. This could help influence the children that ride electric school buses, the parents of these children, and the neighborhood communities to one day purchase an electric vehicle.

Ecology will work with the Washington State Department of Health's Washington Tracking Network Tool to identify areas most at risk from diesel pollution and ozone, and prioritize grants in these areas. Reducing exposure to toxic chemicals in diesel exhaust significantly reduces public health risks, disease, and the related health care costs.

- The California Air Resources Board estimates that every one dollar spent toward diesel emission reductions saves three to eight dollars in health care and societal costs of diesel health impacts over a 15-year period (Emission Reduction Plan for Ports and Goods Movement in California – Final, CARB, April 6, 2006).

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- The Union of Concerned Scientists estimates that society receives nine to \$16 dollars in public health and societal benefits for every one dollar spent on diesel emission reducing projects ('Sick of Soot: Reducing the Health Impacts of Diesel Pollution in California,' Union of Concerned Scientists, Cambridge, MA, 2004).

- EPA estimates that each federal dollar invested in clean diesel projects generates between five and 21 dollars in savings from public health benefits ('Third Report to Congress: Highlights from the Diesel Emission Reduction Program', U.S. EPA, 2016).

- In addition, a study in the Puget Sound region found that school districts that installed clean diesel retrofit technology in school buses experienced a 23 percent decrease in the number of pediatric bronchitis and asthma cases and 37 percent fewer pediatric pneumonia cases per month ('School buses, diesel emissions, and respiratory health' Journal of Health Economics, September 2011).

The greatest benefits are achieved in areas where large concentrations of diesel engines are operated and idled, particularly in and around schools, hospitals, bus barns, ports, distribution centers, rail yards, and transportation corridors. Over the past several years, Ecology has retrofitted over 12,000 pre-2007 school buses and public sector diesel engines and vehicles with exhaust emission control technologies that capture toxic, fine particles during all modes of operation. Vehicles and equipment not suitable for exhaust retrofit have been scrapped and replaced. These projects have reduced emissions on each engine between 30 and 95 percent, depending on the age and type of engine. Most remaining engines, nearly 9,000 across the state, are not suitable for exhaust retrofit and must be replaced with cleaner equipment and vehicles.

Idle reduction complements emission control systems and provides additional benefits. Idle reduction systems reduce toxic emissions and greenhouse gases by eliminating unnecessary engine idle time. They also cut fuel use and costs, and reduce engine wear, which can extend the life of expensive diesel engines.

The state's clean diesel program was established in 2005 and has been instrumental in reducing statewide toxic diesel particulate emissions by over 50 percent as of 2016 (OFM Performance Measure 1007, 2018). Ecology will continue to work with local clean air agencies and fleet managers in Washington to implement additional retrofits and replace school buses, and other eligible high-polluting diesel engines. This will reduce diesel particulate emissions to meet the 2020 statewide diesel particulate emissions target of 3,134 tons annually.

This request will also provide economic benefits to the state by creating up to 24 jobs during the next two years based on Office of Financial Management estimates.

What are the effects of non-funding?

If this request is not funded:

- Ecology would miss an opportunity to support the Governor's and Legislature's policies and initiatives to address climate change. Costs to Washington from climate change are projected to exceed \$10 billion annually by the end of this year ('Preparing for a Changing Climate: Washington State's Integrated Climate Response Strategy' – Ecology publication 12-01-004 April 2012). This includes increased costs of healthcare and energy and expenditures and lost revenue from storm damage, coastal erosion, wildfires, drought, and other natural events. These costs are expected to continue increasing under a no-action or deferred action scenario.

- Ecology would miss an opportunity to apply diesel grant funding as an important part of state-level economic stimulus to help mitigate the crisis caused by the COVID-19 pandemic. Electrifying the state's school bus fleet without grant funding places an enormous financial strain on school districts budgets already challenged by the current economic crisis caused by the pandemic.

- 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 percent more air per pound of body weight than do adults. In addition, schools would continue to reinvest in new diesel powered school buses that will produce greenhouse gasses for at least another 20 years.

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- High-polluting diesel engines would continue to expose many sensitive populations to excessive levels of highly toxic diesel emissions.

- Ecology would miss an opportunity to reduce future health care costs, especially in communities that might not have received benefits from the federal VW settlement. Failing to fund this request would cause ongoing levels of serious disease with associated preventable future health care and fleet operating costs of as much as \$75 million to \$315 million (EPA estimate of \$5 to \$21 in savings from public health benefits per dollar invested - 'Third Report to Congress: Highlights from the Diesel Emission Reduction Program', U.S. EPA, 2016).

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, meaning that a highly polluting diesel engine can remain in service for decades. This means that relying on natural fleet turnover to drive the transition to electric vehicles will take generations, leaving Washington little chance of meeting the greenhouse gas emission limits set by the Legislature, and leaving communities across our state still exposed to toxic air pollution. Although electrification typically triples the cost of a standard diesel replacement, it is the only option to make the transformation to a zero-emission economy and society.

Financial incentives encourage owners to upgrade, replace, retrofit, or supplement engines and engine operating systems to make them cleaner. This grant program accelerates the introduction of advanced technology, leading to reduced emissions significantly sooner than under normal fleet operation. It also provides 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 a potential need of approximately \$4 billion to electrify the entire state's school bus fleet. This investment is substantial and will require many years to complete. Electrifying the school bus fleet without grant funding places an enormous financial strain on school districts budgets already challenged by the current economic crisis caused by the COVID-19 pandemic.

This request will reduce the financial burden faced by school district and local governments by providing grant funding to close the gap between the cost of electric vehicles and a conventional diesel vehicles. This request will reduce the financial burden mainly by electrifying school buses, but will also support idle reduction, diesel engine replacement, and the electrification of other types of diesel vehicles

What is the agency's proposed funding strategy for the project?

Ecology requests using the Model Toxics Control Capital Account for this grant program. Ecology will either grant funds directly to local governments or provide local governments with state contractors to perform these services.

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 Capital Account statute (RCW 70.105D.200) to authorized the account for diesel emission reduction grants and toxic air pollutant reduction programs.

Funding for this request includes \$15,000 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 1.15 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.

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Description**How does the project support the agency and statewide results?**

This request is essential to implementing several goals in Ecology's strategic plan to Support and Engage Our Communities, Customers, and Employees, Prevent and Reduce Toxic Threats and Pollution, and Protect and Restore Puget Sound, and Reduce and Prepare for Climate Impacts because it:

- Provides funding to support communities disproportionately impacted by toxic diesel emissions.
- Reduces toxic diesel emissions that include cancer causing fine particulates and PAHs.
- Reduces fuel use and greenhouse gas emissions, such as black carbon and carbon dioxide that contribute to atmospheric warming and climate change.
- Reduces 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 support the Governor's Energy & Environment issue related to electric vehicles and reducing carbon pollution by targeting high-polluting diesel engines operating in Washington.

This request provides essential support to the Governor's Results Washington Goal 3: Sustainable Energy and Clean Environment and the focus on Combating Climate Change by directly reducing statewide toxic diesel emissions and increasing the number of electronic vehicles

This request supports efforts under the Governors' Executive Order 18-02, Southern Resident Orca Recovery and Task Force through Ongoing Program OGP_ECY33: Air - Reducing Toxic Woodstove Emissions (Department of Ecology) and is linked to the following Toxics Fish Priority Focus Area, Regional Priority Approaches:

- TIF 1.1: Enhance toxic reduction measures, authorities and programs to prevent toxic chemicals in the Sound.
- TIF 4.1: Use a source control approach to assess and regulate local sources of air pollution, and Near Term Action 2018-0472 Clean Car Alternatives Assessments.

This request also supports the Puget Sound Action Agenda implementation through Strategy 9 - Prevent, Reduce, and Control the Sources of Toxic Contaminants Entering Puget Sound, and Sub-strategies:

- 9.1: Implement and strengthen authorities and programs to prevent toxic chemicals from entering the Puget Sound ecosystem.
- 9.3: Adopt and implement plans and control strategies to reduce pollutant releases into Puget Sound from air emissions by removing and replacing old, high-polluting wood stoves to reduce polycyclic aromatic hydrocarbons from wood smoke, which is transported into Puget Sound through air deposition and stormwater runoff.

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 electrify school buses, install idle reduction technology and, in some cases, replace engines, vehicles, and equipment to reduce pollution and lower operating costs. Grant funds will focus on reducing emissions in high-health risk, high-exposure areas and for sensitive 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.

What is the impact on the state operating budget?

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This grant program will not directly impact the state's operating budget. But 1.15 FTEs in the Air Quality Program's operating budget provides support for planning and developing the diesel programs, including evaluating client needs and solutions, technical assistance, project management and oversight, and collecting grantee data on clean diesel project performance and results.

This request complements an operating budget request, "Preventing Nonattainment of Federal Air Quality Standards". This related requested seeks additional funding in 2021-23 to develop capacity and implementation strategies that reduce pollution in areas at risk of violating federal ozone and fine particle air quality standards throughout the state. Ecology is also submitting a separate, but related, capital budget request, "Reducing Toxic Wood Stove Emissions," that supports reducing fine particulate matter statewide.

Proviso

N/A

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
23N-1	MTC Capital Account-State	75,000,000				15,000,000
	Total	75,000,000	0	0	0	15,000,000
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
23N-1	MTC Capital Account-State	15,000,000	15,000,000	15,000,000	15,000,000	
	Total	15,000,000	15,000,000	15,000,000	15,000,000	

Operating Impacts

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Operating Impacts

No Operating Impact

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References/Resources

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<https://fortress.wa.gov/ecy/publications/documents/0802032.pdf>

Department of Ecology. Ecology Clean Diesel Strategy 2008, Publication 06-02-022.

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Department of Ecology. Preparing for a Changing Climate: Washington State's Integrated Climate Response Strategy, 2012, Publication 12-01-004.

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EPA State Diesel Emissions Reduction Act Program (State DERA)

<https://www.epa.gov/dera/state#background>

IARC Publications. Diesel and Gasoline Engine Exhausts and Some Nitroarenes IARC Monographs on the Evaluation of Carcinogenic Risks to Humans, Volume 105.

<https://publications.iarc.fr/Book-And-Report-Series/Iarc-Monographs-On-The-Identification-Of-Carcinogenic-Hazards-To-Humans/Diesel-And-Gasoline-Engine-Exhausts-And-Some-Nitroarenes-2013>

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Union of Concerned Scientists. Sick of Soot: Reducing the Health Impacts of Diesel Pollution in California, 2004

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Project Title: 2021-23 Reducing Toxic Wood Stove Emissions

Description

Starting Fiscal Year: 2022

Project Class: Grant - Pass Through

Agency Priority: 20

Project Summary

Smoke from wood burning stoves causes asthma, lung disease, heart disease, stroke, and premature death. This 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 Puget Sound Action Agenda implementation. (Model Toxics Control Capital Account).

Project Description**What is the proposed project?**

Ecology is requesting \$4 million for the agency's ongoing, competitive Wood Smoke Reduction Grant Program. Wood stoves last 20 or more years, and the changeover to cleaner home heating is slow. Based on residential wood combustion surveys in 2001 and 2007, and the number of housing units reported by the Office of Financial Management (OFM) in 2011, Ecology estimates that over 200,000 uncertified, pre-1990, highly-inefficient and polluting wood stoves are still being used in Washington. Many of those are located 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.

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, Seattle, Spokane, Sunnyside, Tacoma, Toppenish, Twisp, Vancouver, and Yakima. An additional four communities measure pollution at levels creating public health concerns, including Columbia Valley, Leavenworth, Olympia/Tumwater/Lacey, and Wenatchee. In these communities, 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 6,000 older, uncertified stoves in high wood stove use communities that are violating, or at risk of violating, federal air pollution standards. Over 2,100 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 (toward 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.

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 also carry toxic and carcinogenic chemicals (the by-products of combustion) and serve as a delivery system for these chemicals into the body and the environment. These pollutants 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 that 1,100 people die each year from exposure to particulate matter, and that the health care and societal costs of exposure-related disease approach \$200 million (2009 dollars) each year (Department of Ecology. Health Effects and Economic Impacts of Fine Particle Pollution in Washington, 2009: <https://fortress.wa.gov/ecy/publications/publications/0902021.pdf>).

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As a respiratory virus, the COVID-19 pandemic represents a significant new threat to people around the world, making cleaner air an even more emergent priority.

As noted in the previous section, 14 small, medium and large communities across Washington State measure pollution levels close to violation of the federal fine particle air pollution standards. Ecology has concerns about an additional four communities measuring pollution at levels that create public health concerns. Pollution from wood-heating devices is the principal cause of fine-particle pollution problems in these communities.

When communities violate the federal air pollution standards, there are significant economic penalties. Violations require commercial, industrial, community, and private investment in strategies that will reduce existing 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 these standards and, where that is not possible, to clean the air as quickly as practical. The state 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 of the standards 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 and removing barriers to economic growth. The strategies supported by this request will lead to reduced atmospheric pollution levels, requiring fewer or less stringent regulatory options.

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 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 2009 study estimated that fine particulate 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 amount 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 a number of 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 located in Washington. Many of the change-outs will result in sales of new appliances from these manufacturers, increasing and sustaining jobs in that sector of the economy. Also, replaced stoves have a value on the market as scrap metal. Replacing stoves can create or sustain jobs in the metal recycling industry.

This project will provide economic benefits to the state by creating up to 20 jobs during the next two years based on Office of Financial Management estimates.

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

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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 the shifting decision making to the federal government (through imposition of a Federal Implementation Plan); increased costs/penalties for new or expanding businesses; and possible 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 six biennia, funds from the state's wood stove change-out grant program have replaced nearly 6,000 uncertified wood stoves with cleaner burning alternatives, reducing nearly 200 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 bringing those communities into 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 appliances. A combination of regulatory policies and incentives to reduce the use of these stoves will be needed to achieve and maintain compliance with the federal air quality standards in high-risk areas. Additionally, the loss of funding for this established grant program may have an economic impact on local small businesses that are already severely strained by the COVID-19 pandemic economic downturn.

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. Full-cost replacements for low-income residents that rely on wood heat has been a favored principle for both the Legislature and local communities facing high levels of wood smoke pollution, and supports the goal of environmental justice.

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, improving home heating efficiency, or providing access to infrastructure such as natural gas or electricity that allows use of cleaner burning technologies or alternatives. Depending on the other strategies identified, people may have access to infrastructure that allows them to adopt cleaner burning alternatives.

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 Local Clean Air Agencies or directly to residents where no Local Clean Air Agencies exist.

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 Capital Account statute (RCW 70.105D.200) and authorized the account for wood stove reduction grants and toxic air pollutant reduction programs.

Funding for this request includes \$15,000 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 0.29 FTE. This position implements the grant program, evaluating client needs and solutions, soliciting applications, and providing technical assistance. This is the same level of staffing for the 2019-21 Biennium.

Please note, this FTE would support both this new appropriation, as well as any related reappropriation project under this

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Description

capital program.

How does the project support the agency and statewide results?

This request is essential to implementing the following goals in Ecology's strategic plan:

- Support and Engage our Communities, Customers, and Employees, by targeting grant funds toward replacing old, high-polluting, high-use stoves owned by low-income residents. Replacements generate cleaner, more efficient heat, can save residents money on heating bills and provide a more comfortable living space.
- Prevent and Reduce Toxic Threats and Pollution, by reducing toxic fine particle pollution, which is hazardous to human health.
- Protect and Restore Puget Sound and Reduce and Prepare for Climate Impacts, by reducing emissions and deposition of fine particulate and black carbon, which is a climate warming pollutant.

This request provides essential support to the follow Results Washington Goals:

- Goal 2: Prosperous Economy, by preventing economic sanctions imposed on areas that violate federal air quality standards and supporting and creating 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, Healthy and Safe Communities, by reducing the volume of fine particle pollution; especially in high risk communities throughout the state.

This request supports the Puget Sound Action Agenda implementation through Ongoing Program OGP_ECY33: Air - Reducing Toxic Woodstove Emissions (Department of Ecology) and is linked to the following Regional Priority Approaches, Strategy and Sub-strategies:

- TIF 1.1 - Enhance toxic reduction measures, authorities and programs to prevent toxic chemicals in the Sound.

- TIF 4.1 - Use a source control approach to assess and regulate local sources of air pollution.

- Strategy 9 - Prevent, Reduce, and Control the Sources of Toxic Contaminants Entering Puget Sound, and the following sub-strategies:

- 9.1 - Implement and strengthen authorities and programs to prevent toxic chemicals from entering the Puget Sound ecosystem.

- 9.3 - Adopt and implement plans and control strategies to reduce pollutant releases into Puget Sound from air emissions by removing and replacing old, high-polluting wood stoves to reduce polycyclic aromatic hydrocarbons from wood smoke, which is transported into Puget Sound through air deposition and stormwater runoff.

How will the other state programs or units of government be affected if this project is funded?

This funding will help local counties and communities meet their obligations to reduce fine particle emissions and meet federal air quality standards under the State Implementation Plans required by federal law. This will help ensure healthy air quality, prevent unnecessary disease and health care costs, and help eliminate economic sanctions and constraints imposed when communities violate federal standards.

What is the impact on the state operating budget?

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/25/2020 1:24PM

Project Number: 40000371

Project Title: 2021-23 Reducing Toxic Wood Stove Emissions

Description

This capital request complements an operating budget request, "PL DI - Preventing Federal Nonattainment". This related operating budget request seeks additional funding in 2021-23 to develop capacity and implementation strategies that reduce pollution in areas at risk of violating federal ozone and fine particle air quality standards throughout the state. Ecology is also submitting a separate, but related capital budget request, "Reducing Diesel Toxic Emissions," that supports reducing toxic diesel exhaust statewide.

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 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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
23N-1	MTC Capital Account-State	20,000,000				4,000,000
	Total	20,000,000	0	0	0	4,000,000

Future Fiscal Periods

Acct Code	Account Title	2023-25	2025-27	2027-29	2029-31
		Estimated Total	Estimated Total	Estimated Total	Estimated Total
23N-1	MTC Capital Account-State	4,000,000	4,000,000	4,000,000	4,000,000
	Total	4,000,000	4,000,000	4,000,000	4,000,000

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 10:27AM

Project Number: 40000303

Project Title: 2021-23 ASARCO Everett Smelter Plume Cleanup

Description

Starting Fiscal Year: 2022

Project Class: Grant - Pass Through

Agency Priority: 21

Project Summary

This request accelerates 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 and 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 as the sites are redeveloped. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account.)

Project Description**What is the proposed project?**

Ecology is requesting \$10,814,000 to continue the cleanup and remediation work for the Everett Smelter Plume 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. Ecology's original cleanup estimate for the Everett Smelter Plume site was \$63 million and the final ASARCO bankruptcy settlement was \$33.9 million, leaving a funding gap of approximately \$30 million in estimated cleanup needs.

Ecology expects the Everett portion of the ASARCO bankruptcy settlement deposited in the CSA to be exhausted by the end of the 2019-21 Biennium. The Legislature made continuing and accelerating the Everett Smelter Plume site cleanup a priority by appropriating \$5.5 million from the Model Toxics Control Capital (MTCA-Capital) Account in 2019-21 to continue cleanup activities. Ecology is requesting additional appropriation from this account in 2021-23 to continue this remediation and outreach work.

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) - \$3,050,000

During the 2019-21 biennium, Ecology identified, and analyzed groundwater sampling, and drafted engineering designs for three properties to determine the nature and extent of contamination (see Attachment A). This request will finalize the engineering designs, complete the required cleanup work at these sites, and institute controls to help reduce contaminant exposure to human health, wildlife, and the environment.

- Residential Locations Along East Marine Drive (Uplands) - \$6,628,000

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 more than 200 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 come into contact with contaminated soil and to aquatic species in the Snohomish River. Remediation at this site will also help address environmental justice concerns in the region.

- Staffing - \$1,136,000

Staff are required for property owner and community-at-large outreach 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?

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 10:27AM

Project Number: 40000303

Project Title: 2021-23 ASARCO Everett Smelter Plume Cleanup

Description

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 are expected to be fully spent by the end of the 2019-2021 Biennium. This budget request will continue cleanup activities and reduce the contamination threats posed to public health, the environment, groundwater, and fish and wildlife resources.

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 over the next several years, 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 50 jobs during the next two 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 once all reappropriated funds were spent. This would leave more than 200 residential properties and industrial areas adjacent to the Snohomish River not being remediated. Continued contamination from arsenic and lead exposure would negatively impact human health, wildlife, and the environment.

Why is this the best option or alternative?

Ecology expects the Everett portion of the ASARCO bankruptcy settlement deposited in the CSA to be exhausted by the end of the 2019-21 Biennium. Ecology requests funding from the MTCA-Capital Account to continue the accelerated cleanup activities 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.

What is the agency's proposed funding strategy for the project?

ASARCO settlement funds identified for the Everett cleanup are expected to be fully expended during the 2019-21 Biennium. Therefore, Ecology requests funding from the Model Toxics Control Capital Account (MTCA-Capital) for this project. The use of MTCA-Capital funds for this project is consistent with the purposes of MTCA, Chapter 70.105D RCW and the MTCA-Capital Account, RCW 70.105D.200, 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.

Every two years, Ecology is required to provide the Legislature with a comprehensive report: "Model Toxics Control Accounts (MTCA) Ten-Year Financial Report." Ecology produces this report in coordination with local governments that have cleanup responsibilities. It identifies the projected financial needs to cleanup up contaminated sites that are eligible for funding from the Model Toxics Control Capital Account. The MTCA 2018 10-Year Financing Report is available here: <https://fortress.wa.gov/ecy/publications/SummaryPages/1809052.html>.

The MTCA Ten-Year Financing Report describes how we plan to spend funds to clean up sites in the upcoming biennium and the next ten years. Ecology produces this report during even-numbered years.

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Description

Its companion report, the MTCA Biennial Report of Expenditures, describes how cleanup funds were spent over the previous biennium. Ecology produces the Biennial Report of Expenditures during odd-numbered years. Find the 2019 Biennial Report online at <https://fortress.wa.gov/ecy/publications/SummaryPages/1909045.html>.

Are FTEs required to support this project?

This request requires a total of 4.03 FTEs to continue supporting the ASARCO remediation activities in Everett as part of Ecology's ten-year cleanup plan with current staff levels. The cleanup plans for the Everett Smelter, 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.

How does the project support the agency and statewide results?

This request is essential to implementing Ecology's strategic plan goal to Prevent and Reduce Toxic Threats and Pollution, by cleaning up contaminated sites in order to protect human health and the environment. It also contributes resources to continue activity A005, Clean Up the Most Contaminated Sites First (Upland and Aquatic).

The request is also essential in supporting the Governor's Energy and Environment priority issues. It supports Results Washington Goal 3: Sustainable Energy and a Clean Environment, by investing funds that protect public health and natural resources by cleaning up and managing contaminated upland sites and sediments in the aquatic environment.

This request supports Governor Inslee's Executive Order 18-22, Southern Resident Killer Whale Recovery and Task Force, by reducing legacy toxic contaminants. This contamination is one of the three primary factors threatening the Southern Resident population.

- Reduce stormwater threats and accelerate cleanup to toxics harmful to orcas.

The request also supports Puget Sound Action Agenda implementation through Ongoing Programs - OGP_ECY21: Toxic Cleanup Program - Everett Smelter Plume and is linked to the following Regional Priorities, Strategies, and Sub-strategies:

- Regional Priority TIF 1.1: Enhance pollutant reduction programs and corrective measures, and increase authorities and programs to prevent toxic chemicals from entering Puget Sound. By cleaning up toxic legacy pollutants, Ecology prevents these damaging chemicals from entering the Puget Sound and other potential routes for exposure.
- Regional Priority TIF 3.1: Provide the infrastructure and incentives to accommodate new development and redevelopment within designated urban centers in Urban Growth Areas. By cleaning up brownfield properties, Ecology helps to incentivize growth within Urban Growth Areas.
- Strategy 9: Prevent, reduce, and control the sources of contaminants entering Puget Sound.
 - Sub-strategy 9.1: Implement and strengthen authorities and programs to prevent toxic chemicals from entering the Puget Sound ecosystem.
- Strategy 10: Use a comprehensive approach to manage urban stormwater runoff at the site and landscape scales.
 - Sub-strategy 10.3: Fix problems caused by existing development.
 - Sub-strategy 10.4: Control sources of pollutants.
- Strategy 21: Address and clean up cumulative water pollution impacts in Puget Sound.
 - Sub-strategy 21.2: Clean up contaminated sites within and near Puget Sound by reducing and controlling the sources of

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Project Number: 40000303

Project Title: 2021-23 ASARCO Everett Smelter Plume Cleanup

Description

pollution.

How will the other state programs or units of government be affected if this project is funded?

Ecology continues to engage City of Everett leadership and staff, neighborhood groups, and legislative delegations regarding the Everett Smelter Plume site cleanup-related activities. All parties are supportive of continuing cleanup activities on an accelerated timetable.

What is the impact on the state operating budget?

None.

Proviso

N/A

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
23N-1	MTC Capital Account-State	27,536,000				10,814,000
	Total	27,536,000	0	0	0	10,814,000
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
23N-1	MTC Capital Account-State	8,236,000	7,986,000	250,000	250,000	
	Total	8,236,000	7,986,000	250,000	250,000	

Operating Impacts

No Operating Impact

Narrative

N/A

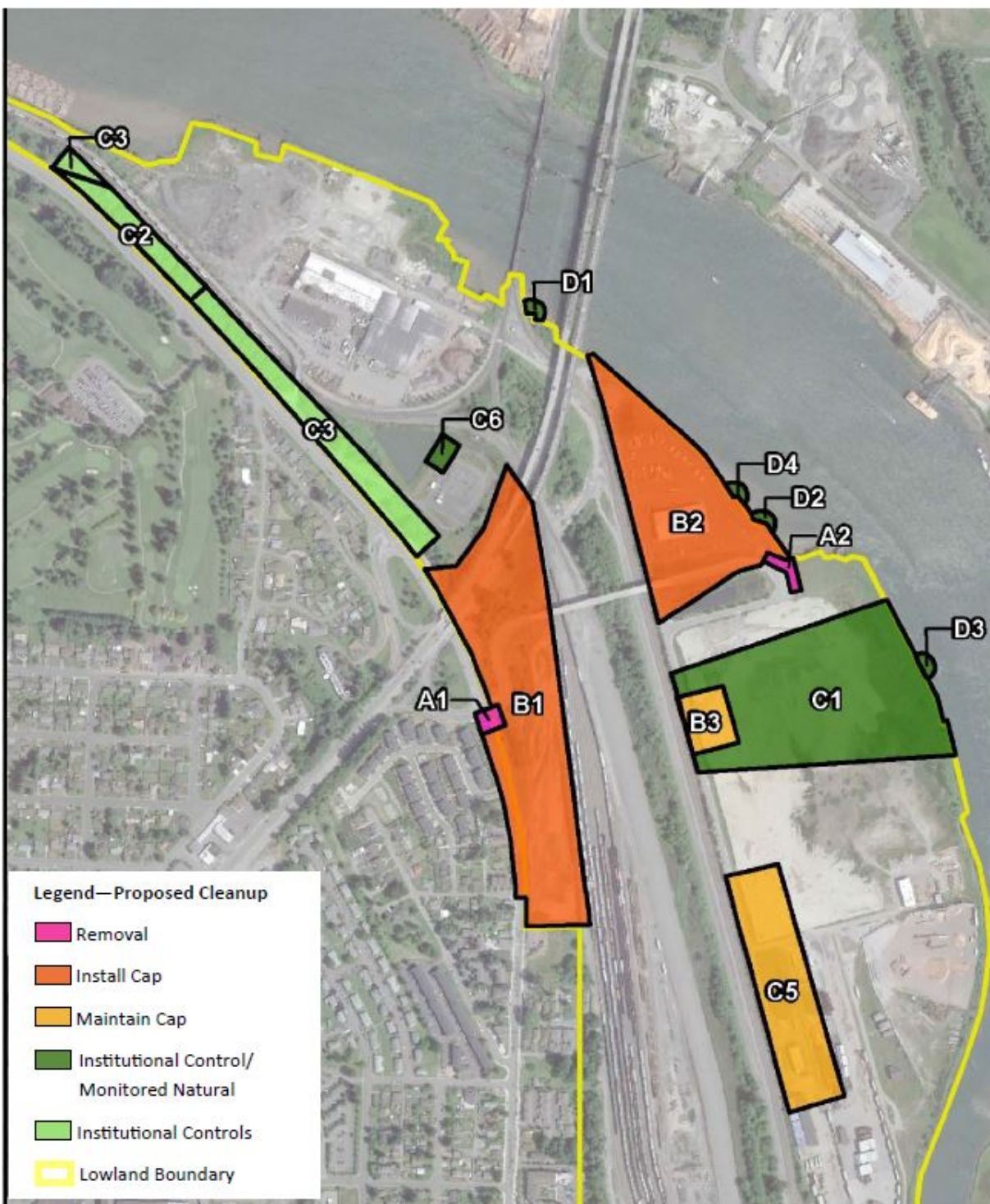


Figure 1: Everett Smelter Plume Lowland Areas

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Capital Project Request

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Version: BI Biennial 2021-23 Initial**Report Number:** CBS002**Date Run:** 9/3/2020 2:33PM**Project Number:** 40000386**Project Title:** 2021-23 ASARCO Tacoma Smelter Plume Cleanup

Description

Starting Fiscal Year: 2022**Project Class:** Grant - Pass Through**Agency Priority:** 22

Project Summary

This request continues 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. This request will protect public and environmental health, create jobs, and promote economic development by allowing contaminated properties to be redeveloped. Related to Puget Sound Action Agenda Implementation. (Cleanup Settlement Account)

Project Description

What is the proposed project?

Ecology is requesting \$3 million from the Cleanup Settlement Account. The Cleanup Settlement Account (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 linked to specific site cleanup activities or to address injuries to natural resources.

Ecology needed this new account because it anticipated several large settlements – one of them being the ASARCO settlement. In November 2009, ASARCO emerged from bankruptcy, having paid out a \$1.79 billion settlement nationwide. Washington's share, \$188 million, was deposited in the CSA in December 2009.

Beginning in the 2010 Supplemental Budget, Ecology received initial funding from the Legislature to implement the cleanup plan for the Tacoma Smelter Plume site. The Legislature funded years one through eleven of this plan; this request will fund years twelve and thirteen.

The cleanup plan for the Tacoma Smelter Plume site involves four major activities. The largest activity is the Yard Cleanup Program where contaminated soil is replaced in existing residential yards in areas of highest contamination.

To date, Ecology has identified nearly 1,200 residential yards qualifying for soil replacement, and we have replaced soil on nearly 300 of these yards. This request for \$3 million in new appropriations will fund additional soil replacement work for approximately 50 residential yards. Without funding, these yard cleanups could not be completed, leaving remaining contamination that would continue to threaten human health.

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 in Tacoma. The proceeds from this settlement were deposited into the CSA and can only be used to pay for cleanup costs associated with this former ASARCO site. Ecology developed a cleanup plan to address the work needed at this site. In the 2010 Supplemental Budget, the Legislature appropriated spending authority from the CSA to begin implementing the plan. This request will provide the needed spending authority to continue the Tacoma ASARCO cleanup in the 2021-23 Biennium.

What are the specific benefits of this project?

Funding this request will continue cleanup activities at the Tacoma Smelter Plume site. Soil sampling and remediation planning work will continue as outlined in the cleanup plans. After cleanup work is completed over the next several years, public health and the environment will be better protected from these toxic chemicals.

This request will also provide economic benefits to the state by creating up to 15 jobs during the next two years based on Office of Financial Management estimates.

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Project Number: 40000386

Project Title: 2021-23 ASARCO Tacoma Smelter Plume Cleanup

Description**What are the effects of non-funding?**

If this request is not approved, the settlement funds received and deposited into the CSA would not be available for cleanup activities. The current 2021-23 spending plans anticipate Ecology will need the additional \$3 million to continue cleanup work. Without a new appropriation, cleanup at the former ASARCO Tacoma smelter site would stop once all reappropriated funds are spent, leaving cleanup – including an estimated 700 remaining residential yards - incomplete. Stopping and restarting this project would delay cleanup and likely increase total costs.

Why is this the best option or alternative?

Proceeds from the ASARCO settlement were deposited into the CSA and can only be used to pay for cleanup costs associated with this former ASARCO site. This is the only mechanism for accessing the funds in the CSA for this cleanup.

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 development projects 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.

What is the agency's proposed funding strategy for the project?

Settlement funds from this bankruptcy deposited into the CSA must be used exclusively for cleaning up ASARCO contaminated sites. As CSA funds are spent, smelter plume cleanups will be prioritized with other cleanups in the Puget Sound region. The ASARCO settlement funds are insufficient to fund the entire Tacoma Smelter Plume cleanup. Model Toxics Control Act funding may be needed in future biennia to bridge the gap between the settlement and the total cleanup costs.

Are FTEs required to support this project?

No.

How does the project support the agency and statewide results?

This request is essential to implementing Ecology's strategic plan goal to Prevent and Reduce Toxic Threats and Pollution, by cleaning up contaminated sites in order to protect human health and the environment. It also contributes resources to continue activity A005, Clean Up the Most Contaminated Sites First (Upland and Aquatic).

The request is also essential in supporting the Governor's Energy and Environment priority issues. It supports Results Washington Goal 3: Sustainable Energy and a Clean Environment, by investing funds that protect public health and natural resources by cleaning up and managing contaminated upland sites and sediments in the aquatic environment.

This request supports Governor Inslee's Executive Order 18-22, Southern Resident Killer Whale Recovery and Task Force, by reducing legacy toxic contaminants. This contamination is one of the three primary factors threatening the Southern Resident population.

- Reduce stormwater threats and accelerate cleanup to toxics harmful to orcas.

The request also supports Puget Sound Action Agenda implementation through Ongoing Programs - OGP_ECY21: Toxic Cleanup Program - Tacoma Smelter Plume and is linked to the following Regional Priorities, Strategies, and Sub-strategies:

- Regional Priority TIF 1.1: Enhance pollutant reduction programs and corrective measures, and increase authorities and programs to prevent toxic chemicals from entering Puget Sound. By cleaning up toxic legacy pollutants, Ecology prevents these

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Project Number: 40000386

Project Title: 2021-23 ASARCO Tacoma Smelter Plume Cleanup

Description

damaging chemicals from entering the Puget Sound and other potential routes for exposure.

- Regional Priority TIF 3.1: Provide the infrastructure and incentives to accommodate new development and redevelopment within designated urban centers in Urban Growth Areas. By cleaning up brownfield properties, Ecology helps to incentivize growth within Urban Growth Areas.

- Strategy 9: Prevent, reduce, and control the sources of contaminants entering Puget Sound.

- Sub-strategy 9.1: Implement and strengthen authorities and programs to prevent toxic chemicals from entering the Puget Sound ecosystem.

- Strategy 10: Use a comprehensive approach to manage urban stormwater runoff at the site and landscape scales.

- Sub-strategy 10.3: Fix problems caused by existing development.

- Sub-strategy 10.4: Control sources of pollutants.

- Strategy 21: Address and clean up cumulative water pollution impacts in Puget Sound.

- Sub-strategy 21.2: Clean up contaminated sites within and near Puget Sound by reducing and controlling the sources of pollution.

How will the other state programs or units of government be affected if this project is funded?

Local government, including schools, will benefit from investing cleanup settlement dollars into implementing the cleanup plans, because Ecology will direct funding to the best approaches to address risks from contaminated soils at schools, parks, childcare facilities, and camps. Also, local government planning offices will receive guidance on how to incorporate sampling and remediation when permitting new developments or redevelopment in the contaminated zones.

What is the impact on the state operating budget?

None.

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

N/A

Growth Management impacts

N/A

Funding

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Date Run: 9/3/2020 2:33PM

Project Number: 40000386

Project Title: 2021-23 ASARCO Tacoma Smelter Plume Cleanup

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriates	New Appropriates
15H-1	Cleanup Set Acct-State	20,200,000				3,000,000
	Total	20,200,000	0	0	0	3,000,000

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
15H-1	Cleanup Set Acct-State	13,000,000	4,200,000		
	Total	13,000,000	4,200,000	0	0

Operating Impacts

No Operating Impact

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/4/2020 9:33AM

Project Number: 40000436

Project Title: 2021-23 Product Replacement Program

Description

Starting Fiscal Year: 2022

Project Class: Grant - Pass Through

Agency Priority: 23

Project Summary

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, the state's economy, and public health. Ecology's Product Replacement Program is a cutting edge collaboration with local government partners to provide financial incentives 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 and/or make building improvements, which will produce long-term benefits for both the businesses and the public. This assistance avoids costly cleanups, improves the viability of the affected businesses, protects the environment, and reduces human and wildlife exposure to toxins. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

What is the proposed project?

Ecology is requesting \$6.5 million to continue its Product Replacement Program (PRP) in the 2021-23 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). 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.

Funding in the 2021-23 Biennium will continue and build on the success of the PRP pilot, allow Ecology to eliminate additional sources of Persistent, Bioaccumulative Toxics (PBTs), and implement more CAP recommendations. This funding will directly help small businesses throughout the state to 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 would be unable to implement these changes; especially in light of the economic hardships they have experienced due to the COVID-19 pandemic.

This request will allow Ecology to maintain and expand the reach and effectiveness of the PRP by:

- Continuing to implement the perchloroethylene (PERC) dry cleaner replacement voucher program to assist small businesses switch to a safer alternative. PERC is a known carcinogen recently determined by the Environmental Protection Agency (EPA) to pose an unreasonable risk for workers, consumers, and the environment. As of the July 1, 2020, Ecology is aware of at least 73 dry cleaners still using PERC machines. We expect to help 20-30 of these make a switch to safer alternatives by the end of the 2019-21 Biennium. We hope to assist the remaining dry cleaners in the 2021-23 Biennium; especially if EPA places restrictions on PERC use.
- Continuing to take back and safely dispose of per- and polyfluoroalkyl substances (PFAS)-containing firefighting foam from fire stations and the Washington State Department of Transportation (WSDOT).
- Expanding the firefighting foam takeback program to other relevant entities like airports and small businesses with fire suppression systems.
- Collaborating with the Washington Department of Health (DOH) to replace polychlorinated biphenyls (PCB)-containing light ballasts at schools, especially targeting schools in disadvantaged communities.
- Implementing a program to replace toxic and unnecessary flame retardant containing foam at gymnasiums, play centers, and recreational facilities. Ecology is surveying 6,000 businesses to determine the need for this replacement program and anticipates interest from several hundred businesses.

Capital Project Request

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/4/2020 9:33AM

Project Number: 40000436

Project Title: 2021-23 Product Replacement Program

Description

- Developing and implementing a program to replace part-washing equipment and solvents at automotive maintenance and repair facilities, boatyards, metalworking and fabrication facilities, wood furniture manufacturers, facilities with painting operations, and potentially others. Early estimates suggest there are likely 4,000 businesses in the state that could benefit from a program to replace toxic degreasers used in parts washing.
- Investigating the viability of additional product/chemical combination programs for:
 - PCBs in building materials.
 - PFAS in artificial turf fields.
 - Pesticide use by landscaping businesses and others.

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). Funding will be used to add between four and ten new city and county partners to PPA Partnership – including four counties in underrepresented Eastern Washington (See attachment: City and County Organizations expressing interest in joining PPA Partnership).

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 2017-2019 Biennium Report at: <https://fortress.wa.gov/ecy/publications/documents/2004005.pdf>.

What opportunity or problem is driving this request?

Over the past 15 years, Ecology collaborated with DOH to complete five Chemical Action Plans (CAPs) on major toxic chemicals. These CAPs make recommendations on how to protect people and the environment from these 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 higher levels of PCBs, mercury, polycyclic aromatic hydrocarbons (PAHs), polybrominated diphenyl ethers (PBDEs), and lead.

The most recent CAP centers on PFAS, which is expected to be completed in 2021. During the 2013-15 Biennium, EPA required public water systems across the U.S. and 132 water systems in Washington to test their water for six PFAS compounds. PFAS was detected in Issaquah, Joint Base Lewis-McChord (JBLM), and DuPont water systems. The Department of Defense (DOD) also found Perfluorooctane Sulfonate (PFOS) and Perfluorooctanoic Acid (PFOA) above 70 parts per trillion in groundwater near Naval Air Station Whidbey Island, JBLM, and Fairchild Air Force Base.

In response to these findings, the City of Issaquah shut down one well and installed a filtration system costing more than \$1million to remove PFAS from the groundwater. The military has shut down some impacted wells on bases, including Airway Heights' public water system near Fairchild Air Force Base, and provided alternative water for drinking and cooking to residents who draw from affected wells.

In 2018 and 2019, the Legislature provided funding in the capital budget, through the Department of Commerce (\$206,000 in 2018) and Ecology (\$400,000 in 2019), to continue the characterization of PFAS at several locations within the Lower Issaquah Valley, and design a pilot study for potential cleanup technologies. In a separate, but related 2021-23 capital budget request, Ecology is requesting funding to continue its work in the Lower Issaquah Valley, as well as support new projects to address PFAS-contaminated drinking water in the Lakewood and Spokane/Airway Heights areas. However, in the future, continued funding for programs like the PRP will be able to prevent contamination from occurring in the first place by removing and safely disposing these chemicals before they get into our environmental and cause public health issues.

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/4/2020 9:33AM

Project Number: 40000436

Project Title: 2021-23 Product Replacement Program

Description

Prior to the start of the PRP pilot this biennium, funding to implement priority recommendations from CAPs was not available. In 2017, the Attorney General's Office (AGO) was deciding whether to join a lawsuit against the manufacturer of PCBs, and Ecology could not provide estimates on the amount of PCB-containing light ballasts in Washington schools or the amount of PCB-containing caulk in school building materials. Conducting those investigations were two priority recommendations in the PCB CAP released in 2016, but funding was available to go out and do them.

The best way to prevent environmental contamination, protect water quality, and reduce human health risk is to remove toxic chemicals from the 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 year of operating the PRP demonstrates that the future of pollution prevention is to remove toxic chemicals at the source by switching out antiquated equipment and removing toxic products from commerce. Even at sites where contamination may be occurring, removing toxic chemical use should reduce the overall total cleanup costs. Cleanup of a single PERC dry cleaner site can cost up to \$1.25 million (<https://www.enviroforensics.com/blog/what-makes-cleaning-up-perc-spills-so-expensive/>).

What are the specific benefits of this project?

This request will help reduce health and environmental threats to workers and the public from multiple PBT chemicals. It will also help businesses by providing financial and technical assistance so they can create a safer work place for their employees and customers. Ecology's success during the pilot year of the PRP demonstrates the opportunities to make changes that benefit people, fish, orca, and the environment.

As of July 2020, Ecology has completed the following during the PRP's first pilot year:

- Assisted 38 PERC dry cleaners switch to safer Professional Wet Cleaning and hydrocarbon technologies. We are working with another 20 dry cleaners to complete the transition. As further dry cleaner outreach on new dangerous waste regulatory guidance continues, and in light of the recent EPA determination that PERC posed an unreasonable risk, we expect continued interest in this assistance from the estimated 73 remaining dry cleaners still using PERC.
- Worked with 69 fire stations to locate over 30,000 gallons of PFAS-containing firefighting foam for disposal. When operational, this program will remove this foam, eliminating an enormous contamination risk to Washington's water supply. We anticipate expanding this takeback program to businesses with fire suppression systems during a second phase of this program.
- Provided outreach about a successful federal mercury thermostat takeback program to increase removal and disposal of mercury. In 2019, this program recovered 1,387 thermostats, removing 13.32 pounds of mercury.
- Initiated development of a program to remove and replace flame-retardant containing foam in exercise and gym facilities. A survey sent to approximately 6,000 businesses will help Ecology determine how a replacement program can serve businesses with these products.
- Evaluated and ranked up to 24 additional product/chemical combinations for possible replacement or takeback programs.

By the end of the 2019-21 Biennium, Ecology expects to:

- Help an additional 20-30 PERC dry cleaners switch to a safer technology.
- Collect and dispose of over 30,000 gallons of PFAS-containing firefighting foam from fire stations and other locations across the state.
- Collaborate with DOH to develop a joint program to remove and replace PCB-containing light ballasts in schools.
- Launch a program to help gym, athletic, and recreational facilities swap out foam pits and other exercise products that contain toxic flame retardants.

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Project Title: 2021-23 Product Replacement Program

Description

- Develop additional replacement and takeback programs to help businesses across the state move away from PBT chemicals.

For more details if the PRP's work during the 2019-21 Biennium, see the Product Replacement Program: 2019-2020 report at: <https://fortress.wa.gov/ecy/publications/SummaryPages/2004037.html>.

To see a current list of drycleaners and fire departments participating in the PRP, please visit: <https://ecology.wa.gov/Waste-Toxics/Reducing-toxic-chemicals/Product-Replacement-Program>.

What are the effects of non-funding?

If this request is not funded, our ability to protect public health and the environment from the worst of the worst chemicals 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 it impacts the environment or a community. Without this assistance, many businesses would be unable to switch to safer alternatives resulting in continued environmental contamination affecting the health of humans, salmon, and orca. Workers and often the most vulnerable communities will continue to be needlessly exposed to higher levels of these harmful chemicals.

Without additional funding for the PPA Partnership, Ecology would be unable to meet the local community demand for this program. Small businesses would be unable 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, and some toxic cleanup sediment sites may become re-contaminated.

Why is this the best option or alternative?

The PRP is the best option for reducing 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 can 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 and 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. But 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 the best 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, PRP better assures equity by providing funding throughout the state, with an emphasis on under-served, socio-economically disadvantaged communities and shifts the cost burden from the public to the manufacturer of the product or technology.

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 State. 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.

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Project Number: 40000436

Project Title: 2021-23 Product Replacement Program

Description

Ecology already funds 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 would expand this program, allowing local partners to provide a financial incentive to businesses to eliminate sources of toxic chemicals in new areas of the state. We anticipate adding up to ten new city and county partners covering five new counties, including four in currently underserved eastern Washington.

What is the agency's proposed funding strategy for the project?

Consistent with how the PRP pilot was funded in the 2019-21 Capital Budget, 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 from the pilot biennium. This request includes funds for product and equipment replacements, staff, and contracting with cities and counties to implement the program in their communities. Where we do not have a local partner, Ecology staff would work with businesses directly. The funding for this project includes:

- \$3.5 million for product and equipment replacements.
- \$0.3 million for staff to coordinate program development and implementation.
- \$2.7 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 we used for the PERC replacement program. Our local PPA partners will work with the businesses to ensure they qualify for the financial incentive and assist them with the paperwork to apply to the program. Once the business's voucher has been approved by Ecology, the business 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 (AGO) on the use of state resources (RCW 42.52.160; WAC 292-110-010), both public and private entities are eligible for financial incentive agreements, since 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, the disposal of contaminated products, and/or the adoption of 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 1.15 capital FTEs to provide administrative oversight and management of the Product Replacement Program. This is consistent with the staffing level for this program in the 2019-21 Biennium.

How does the project support the agency and statewide results?**Ecology's Strategic Plan**

This request is essential to implementing goals in Ecology's strategic plan to:

1. Support and engage our communities, customers, and employees.
3. Prevent and reduce toxic threats and pollution.
4. Protect and manage our state's waters.

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Project Number: 40000436

Project Title: 2021-23 Product Replacement Program

Description

5. Protect and restore Puget Sound.

Funding Ecology's PRP and PPA Partnership directly supports and engages Washington communities and customers. This funding is provided to businesses to make changes to reduce the use of toxic chemicals which supports the business, protects its employees and customers, and benefits the local community. Each of our product replacement efforts includes an evaluation of environmental justice to ensure this funding is provided to businesses equitably and helps communities with the greatest health, socio-economic, and environmental disparities.

Funding is also provided to city and county partners to provide technical assistance to businesses within their jurisdictions. Through an expansion of the number of partners in the PPA Partnership Ecology will strive to add regions of the state where this type of service is not currently available to increase equity. Ecology engages with all PPA partners to shape and guide the direction and mission of the PPA Partnership.

The PRP directly prevents and reduces toxic threats and pollution by identifying harmful chemicals and products, reducing their use by promoting and implementing safer alternatives, providing technical assistance, and promoting proper management of dangerous chemicals. Reducing or eliminating the use and release of toxic chemicals such as PFAS and PCBs is more effective and less costly than dealing with them after they are in the environment. The draft PFAS CAP recommends assisting state local governments, airports, industry, and fire districts dispose and replace PFAS-containing firefighting foam, and potentially implement a replacement program to address other products containing PFAS.

Working directly with businesses to switch to safer alternatives and implement best management practices protects our state's waters (Goal 4) and helps protect and restore Puget Sound (Goal 5). The elimination of pollution sources is a critical step in protecting and restoring Puget Sound and other waterways throughout the state. Removing and reducing toxic chemical use protects orca, salmon, and shellfish. Our work with businesses and PPA cities and counties also protects our waters by reducing and preventing pollutants from entering wastewater and stormwater.

This request is essential to support the Governor's Energy & Environment issue by reducing releases of and exposures to toxic chemicals of concern through the implementation of CAP recommendations to remove the sources of these chemicals from daily commerce. This is a crucial action to keep our state's water and air clean for our families and our families' families. Reducing releases of toxic chemicals to Puget Sound and the streams following to it also help protect the Southern Resident orca.

Results Washington

This request provides essential support to the Governor's Results Washington Goal 2 Prosperous Economy by:

- Providing financial and technical assistance to the state's small businesses and creating jobs within local municipal agencies. Assisting businesses in Washington, especially during and after COVID-19, will help businesses reduce regulatory liability and implement healthier and safer practices they may otherwise not be able to afford.
- Assisting 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.
- Using funds to contract with cities and counties to create and support jobs in these areas, contributing directly to the Results Washington outcome measure of increasing access to living wage jobs.

This request provides essential support to the Governor's Results Washington Goal 3 Sustainable Energy and a Clean Environment by reducing the public's exposure to toxic chemicals. While the Product Replacement Program provides assistance to businesses throughout the state, much of the work takes place in the Puget Sound region and its connected watersheds. By reducing and removing toxic chemicals at their source, this program would help the recovery of the Southern Resident orca and Chinook salmon.

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Project Title: 2021-23 Product Replacement Program

Description**Puget Sound Action Agenda**

This request supports the Puget Sound Action Agenda implementation through Ongoing Program OGP_ECY3: Hazardous Waste and Toxics Reduction - Local Source Control Partnership in Puget Sound (Department of Ecology) and is linked to the following Near-Term Actions (NTA), Regional Priorities, Strategies, and Sub-strategies:

- NTA 2018-0465: Chemical Action Plans for Endocrine Disrupting Chemicals (EDCs) (implementing CAP actions related to chemicals of high concern to Puget Sound).
- NTA 2018-0470: Fireproof Killer Whales: Reducing Flame Retardant Contaminants to Puget Sound (reducing loading of flame-retardants to waterways).
- NTA 2018-0473: PCBs in Building Products (implementing cleanup of reservoir of legacy PCBs in buildings).
- CHIN4.8: Evaluate potential threats from emerging contaminants of concern from wastewater and stormwater as they relate to salmon and their food web.
- TIF 1.1 – Enhance pollutant reduction programs, corrective measures and increase authorities and programs to prevent toxic chemicals from entering Puget Sound and Near Term Actions.
- ORCA1.1: Implement the Governor's Orca Task Force recommendations and other plans.

This request also supports efforts under the Governors' Executive Order 1802, Southern Resident Orca Recovery and Task Force through the following recommendation:

- 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 cleanup of toxics harmful to orcas.
- 33: Increase monitoring of toxic substances in marine waters; create and deploy adaptive management strategies to reduce threats to orcas and their prey.

This request supports the Puget Sound Action Agenda through Strategy 9 - Prevent, Reduce, and Control the Sources of Toxic Contaminants Entering Puget Sound and sub-strategies:

- 9.1: Implement and strengthen authorities and programs to prevent toxic chemicals from entering the Puget Sound ecosystem (Stormwater) by reducing hazardous waste and discharges of toxic chemicals being released into the environment.
- 9.1.1: Create and implement Chemical Action Plans.

How will the other state programs or units of government be affected if this project is funded?

Removing toxic chemicals from use now may 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 the scope of certain 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?

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Project Title: 2021-23 Product Replacement Program

Description

Base support for the PPA Partnership is provided by approximately \$4.9 million in ongoing funding within Ecology's biennial operating budget. Funding this capital request will allow Ecology to expand the PPA Partnership to meet the demand from additional local communities to join.

Proviso

N/A

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
23N-1	MTC Capital Account-State	32,500,000				6,500,000
	Total	32,500,000	0	0	0	6,500,000

Future Fiscal Periods

	Account Title	2023-25	2025-27	2027-29	2029-31
23N-1	MTC Capital Account-State	6,500,000	6,500,000	6,500,000	6,500,000
	Total	6,500,000	6,500,000	6,500,000	6,500,000

Operating Impacts

No Operating Impact

City and County Organizations expressing interest in joining the Pollution Prevention Assistance Partnership

Organization	Increased Access to Partnership Assistance
Island County Public Health	Island County
Walla Walla, City of	City of Walla Walla
College Place, City of	City of College Place
Walla Walla County Public Health	Walla Walla County outside of cities of Walla Walla and College Place
Walla Walla County Public Works	
Tri-County Health District	Ferry County, Stevens County, Pend Oreille County
Vancouver, City of	Joining the Partnership with EPA funding for 2020-2022; need funding to continue after June 2022
Everett, City of	Currently covered by Snohomish County Health but would increase access within the city municipal boundary
Lakewood, City of	Currently covered by Tacoma-Pierce County Health District but would increase access within city municipal boundary
Camas, City of	Currently covered by Clark County Public Health but would increase access within city municipal boundary

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Capital Project Request

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/28/2020 12:12PM

Project Number: 40000395

Project Title: 2021-23 Swift Creek Natural Asbestos Flood Control and Cleanup

Description

Starting Fiscal Year: 2022

Project Class: Grant - Pass Through

Agency Priority: 25

Project Summary

For 80 years, a large, 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. Ecology received \$6.4 million in previous funding to support a state commitment to Whatcom County to resolve this chronic threat to public safety, property, human health, and the environment. The requested funding would continue the design, construction, and maintenance of a series of flood control and sediment management measures to reduce these threats. Ecology is requesting \$4.1 million for the 2021-23 Biennium work plan. (State Building Construction Account)

Project Description

What is the proposed project?

Large volumes of material generated by a slow moving landslide is steadily moving down the slopes of Sumas Mountain into Swift Creek and its adjacent floodplain. The material contains naturally occurring asbestos and heavy metals.

Over time, local, state, and federal agencies have worked to characterize and respond to chronic flooding, property damage, and spread of naturally occurring contamination. The State entered into a consent decree with the County in December 2019 to support the 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, as well as stream maintenance dredging and channel stabilization. The State supports the County by providing funding and regulatory assistance. Funding this request allows the State to provide continued support for the implementation of 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) had spent approximately \$3 million to date on the Swift Creek project for a wide range of scientific and engineering work. This included for example, stabilizing sediment piles, United States Geological Survey (USGS) hydrologic study, activity-based sampling, engineering evaluation, and cost analysis of cleanup alternatives. However, based on dialogue between Ecology and EPA, it is Ecology's understanding that EPA will no longer be contributing funds, or involved, in this project moving forward.

Funds appropriated during the 2019-21 Biennium are supporting engineering design and permitting, property acquisition, and multiple initial construction phases of the proposed project. Swift Creek now requires an additional \$4.081 million during the 2021-23 Biennium to mitigate impacts and meet the State's commitment to help the County resolve this long-standing and chronic threat. A new appropriation will fund active construction throughout the 2021-23 Biennium on various project elements in order to continue implementation of the Swift Creek Action Plan.

This project enables the County to pursue active flood control measures and management strategies including dredging, enhancing and maintaining levees, constructing sediment traps and settlement basins, and repositories for long-term isolation and storage of sediments.

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 will eventually discharge).

Budget

Engineering, design, and permitting: \$500,000

Construction: \$3,331,000

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Description

Lower Reach Stabilization: \$250,000

Total: \$4,081,000

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 government for help. The federal government has provided significant staff time for technical assistance and funding for sediment testing and stabilizing existing sediment piles. The county makes annual investments in maintenance dredging; however with no place to put the sediment, they will be unable to continue dredging in the future. Funding this request will continue investment in the implementation of the Swift Creek Action Plan outlined in the Consent Decree (CD) and demonstrate that the state is in 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 to the Sumas River. Large volumes of fine, suspended sediment is carried and deposited across lowlands adjacent to the river. Sediment sampling in some of these areas have found very high asbestos content. 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, as well as raising human health and safety issues by local, provincial, and federal Canadian agencies. These concerns have been expressed to Ecology and the Environmental Protection Agency.

Significant flooding in 2009 required evacuation of homes and private properties and caused road closures seriously affecting local transportation, commerce, and agriculture near the communities of Everson and Nooksack. 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 plant growth and greatly impacts agriculture and wetlands.

Local, state, and federal health agencies have expressed continued concern for potential human health risks posed by the presence of asbestos in the widely-distributed sediment. Periodic health advisories are published and distributed in the affected areas (see attachment A).

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, and currently threatens closure of the one remaining non-state highway corridor (Goodwin Road) in the area. This would force all local traffic in northeastern Whatcom County to use State Route 9, a busy commercial access road to the international Port of Entry at Sumas. Increasingly, the county has had to rely on costly emergency dredging and levee repair measures to try and cope.

What are the specific benefits of this project?

Funding this request will mitigate further threats to human health and the environment from the asbestos and metals in these sediments. It will also help protect Puget Sound (where these sediments will eventually discharge).

Managing Swift Creek sediment will:

- Reduce the need to dredge after the sediment has been deposited in the creek and adjoining areas.
- Protect the habitat from being smothered by sediment that is inhospitable to Pacific Salmon and other aquatic life.
- Clean up historic and prevent further contamination of lands in the vicinity of the creek and Sumas River.

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Project Title: 2021-23 Swift Creek Natural Asbestos Flood Control and Cleanup

Description

- Greatly reduce the impacts of the sediment loading from the landslide. For example, during rainfall events, the turbidity, nickel, and asbestos levels in these water bodies exceed water quality criteria.

- Provide a long-term, future resolution for the existing problem.

This request will also provide economic benefits to the state by creating up to 18 jobs during the next two 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 will result in continued chronic flooding and associated 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.
- Flood and contaminate nearby lowlands and wetlands with naturally occurring asbestos and metals.
- Potentially impact several county roads and bridges, along with a number of private residences, 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?

Right now, Whatcom County is responding to Swift Creek sediment accumulations on an emergency basis, when the sediment builds up to the point of causing Swift Creek to flow out of its channel. This request will invest in a planned, more systematic approach to managing the accumulated sediment. It will help fulfill the state's legally-mandated obligations under the formal Consent Decree between Whatcom County and Ecology.

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 project, as planned, will provide a long-term solution for chronic flooding control and sediment accumulation affecting homes, farms, roads, and bridges. In addition, the project will minimize and manage the associated asbestos and heavy metal problems that include agricultural land damage, and potential human health risk issues. Whatcom County relies on Ecology's support to continue moving the project forward.

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?

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Report Number: CBS002

Date Run: 8/28/2020 12:12PM

Project Number: 40000395

Project Title: 2021-23 Swift Creek Natural Asbestos Flood Control and Cleanup

Description

This request is essential to implementing a goal in Ecology's strategic plan to Prevent and Reduce Toxic Threats and Pollution by cleaning up contaminated sites to protect human health and the environment." It contributes resources to continue activity A005, Clean Up the Most Contaminated Sites First (Upland and Aquatic).

This request supports a goal in Ecology's strategic plan to Protect and Restore Puget Sound by capturing and removing sediment from Swift Creek before it flows into the Sumas River, which flows north to the Fraser River and then discharges to Puget Sound.

This request is essential to support the Governor's Energy and Environment issue by investing funds to protect public health and natural resources by cleaning up and managing contaminated upland sites and contaminated sediments in the aquatic environment.

This request is essential to support the Governor Inslee's Results Washington Goal 3: Sustainable Energy and a Clean Environment by reducing exposure from a toxic threat caused by a slow-moving, chronic landslide.

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 the 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. A letter of support from Whatcom County is included as Attachment B. Also, several local legislators and representatives from the offices of Congressman Rick Larson, Senator Patty Murray, and Senator Maria Cantwell have been interested in addressing the problems at this site, and have participated in conference calls, site visits, and other communications over this issue.

What is the impact on the state operating budget?

None.

Proviso

N/A

Location

City: Everson

County: Whatcom

Legislative District: 042

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations

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2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/28/2020 12:12PM

Project Number: 40000395

Project Title: 2021-23 Swift Creek Natural Asbestos Flood Control and Cleanup

Funding

057-1	State Bldg Constr-State	39,481,000				4,081,000
	Total	39,481,000	0	0	0	4,081,000

Future Fiscal Periods

		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State	9,600,000	6,400,000	14,400,000	5,000,000
	Total	9,600,000	6,400,000	14,400,000	5,000,000

Operating Impacts

No Operating Impact

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.



Landslide material in Swift Creek containing naturally-occurring asbestos

AVOID walking, riding, working, or playing

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.

- Property owners: www.doh.wa.gov/portals/1/Documents/Pubs/334-211.pdf
- Farm workers: www.whatcomcd.org/node/138

Accommodation Requests: To request ADA accommodation including materials in a format for the visually impaired, visit <https://ecology.wa.gov/accessibility> or call Ecology at 425-324-5901. People with impaired hearing may call Washington Relay Service at 711. People with speech disability may call TTY at 877-833-6341.

913 Squalicum Way, Unit 101
Bellingham, WA 98225

Swift Creek Project

www.ecology.wa.gov/SwiftCreek
www.whatcomcounty.us/513/Swift-Creek

Questions

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En español

Si desea recibir esta postal en español, visite www.ecology.wa.gov/SwiftCreek, y envíe un mensaje al correo electrónico preguntas@ecy.wa.gov, o llame al 425-324-5901 y espere a que un intérprete se una a la llamada.

**WHATCOM COUNTY
EXECUTIVE'S OFFICE**

County Courthouse
311 Grand Avenue, Suite #108
Bellingham, WA 98225-4082



Jack Louws
County Executive

The Honorable Jay Inslee,
Governor of the State of Washington
P.O. Box 40002
Olympia, WA 98504-0002

RE: Swift Creek Sediment Management

August 7, 2015

Governor Inslee,

The purpose of this letter is to reinforce the request from Whatcom County for the participation and support of the State of Washington in the management of the Swift Creek landslide sediment.

To address the regional and international impact of the significant sediment transported through the Swift Creek channel from the landslide on Sumas Mountain, Whatcom County (the County), the Whatcom County Flood Control Zone District (Flood Control Zone District), the Washington State Department of Ecology (Ecology), and the U.S. Environmental Protection Agency, Region 10 (EPA) entered into a Joint Agency Agreement (JAA) in March of 2014. This agreement establishes the roles, responsibilities and areas that each agency can contribute to address the naturally occurring asbestos sediment.

As outlined in the JAA, Whatcom County continues to seek funding from the State legislature to pay for the balance of the capital construction as outlined in the Swift Creek Sediment Management Action Plan.

I appreciate the ongoing effort by WA Department of Ecology. Your administration's continued participation in the working group with Whatcom County and EPA is critical to resolving this large and complicated sediment management problem. I look forward to accomplishing the next step in the JAA by securing the necessary State funding.

Sincerely,


Jack Louws
Whatcom County Executive

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/4/2020 9:38AM

Project Number: 40000338

Project Title: 2021-23 Waste Tire Pile Cleanup and Prevention

Description

Starting Fiscal Year: 2022

Project Class: Grant - Pass Through

Agency Priority: 26

Project Summary

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. Ecology is requesting \$1 million to continue funding to prevent and remove waste tire piles, and the enforcement and education on tire storage and hauling regulations. (Waste Tire Removal Account)

Project Description**What is the proposed project?**

Ecology is requesting \$1 million to continue funding for prevention and removal of waste tire piles, and the enforcement, and education of tire storage and hauling regulations. An environment free of waste tires is important to the public health of Washington residents. Piles of waste tires harbor mosquitoes and other disease vectors. West Nile Virus and the Zika virus transmitted by mosquitoes pose threats to public health. Many tire piles have existed for a significant length of time and present a fire hazard. Tire piles continue to challenge state, tribal, and local officials responsible for cleaning up unauthorized dumpsites and preventing further waste accumulation. Illegal dumping of tires is a significant issue on tribal lands. Historically, the state has witnessed catastrophic tire pile fires, the latest being the Everett and Dorman Tire Fires of 1984. Funding is needed to prevent tire stockpiling and unwanted tire piles.

RCW 70A.205.405 establishes a \$1 per tire fee on the retail of new replacement vehicle tires. Revenues from this fee are deposited in the Waste Tire Removal Account (WTRA), which can be used for cleanup of unauthorized waste tire piles, and measures that prevent future accumulation of unauthorized waste tire piles. Ecology uses the WTRA funds for pile removals, amnesty events, enforcements, cleanups, and education programs. Ecology also provides technical support on prevention and enforcement of tire hauling and storage requirements.

Due to the delayed passage of a new 2019-21 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. However, in Fiscal Year 2019, this dedicated funding was used to remove ten abandoned tire piles and historic waste tire accumulations, and hold 23 tire amnesty events, some over several weekends, hosted by local governments, where residents dropped off waste tires at no charge. In addition to helping local governments, Ecology assisted amnesty events at the Makah and Colville tribes. Overall, the pile cleanups were responsible for the removal and safe disposal of 1,198 tons of tires, while the amnesty events netted 1,790 tons.

As noted in Attachment A, from 2007 to 2019, Ecology has removed over 140 million pounds of tires from 423 locations in 37 counties across the state, helping local governments 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 runoff contaminates the ground. Due to their heavy metal and other pollutant content, tires pose a risk for leaching toxic chemicals into groundwater. Piled tires capture water and create the ideal habitat for mosquitoes. With Avian flu, the West Nile Virus, and possibly Zika Virus continuing to be threats, mosquito control is an important concern. Tire piles also provide habitat for other vermin like rats and snakes. Tires have been used as reefs in Puget Sound and as bulkheads along shorelines, potentially contaminating the water. Ecology is exploring if and how to remove these reefs.

What are the specific benefits of this project?

Specific cleanup and prevention benefits include eliminating the risk of tire pile fires, reducing habitat for vermin and disease spreading insects, removing the physical hazard that tire piles pose, and increasing used tire recycling. Cleaning up tire piles

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Description

also provides recycled materials to local markets, reducing the demand on natural resources.

What are the effects of non-funding?

If this request is not approved, there would be no local focus on activities to prevent, enforce, educate, or cleanup illegal tire piles. 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 to human health 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 tire fee provided funding to remove the tire piles left behind in the 1990s and funded removal of more than 130 additional piles identified across the state. If this program funding is not continued, there is no other fund source available to deal with tire piles. Experience shows that local governments do not have resources to clean up tire piles. Without funding from the WTRA, there would be no other state or local program, or funding source, to conduct a comprehensive waste tire program.

How will clients be affected and services change if this project is funded?

Ecology provides funds to public entities to prevent tire piles, enforce tire regulations, and remove waste tires from local communities. Funding in the 2021-23 Biennium will allow continued prevention, enforcement, and removal of waste tires across the state. This provides financial relief to residents, businesses, and local communities that may otherwise not remove waste tires from their communities due to financial constraints.

What is the agency's proposed funding strategy for the project?

The law, 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 project in the 2019-21 Biennium. Staff are required to 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 implementing Ecology's strategic plan goal to "Prevent and Reduce Toxic Threats and Pollution" and the Governor's priority to "Protect Puget Sound" by continuing to manage waste tires in a way that protects public health and the environment.

This request provides essential support to the Governor's Results Washington Goal 3, Sustainable Energy and a Clean Environment and Goal 4, Healthy and Safe Communities because the breakdown products of tires can contaminate groundwater and surface water, and scrap tire sites are an ideal habitat for the breeding of mosquitoes carrying disease such as West Nile Virus (impacting wildlife, domesticated animals, and humans). By removing tire piles, enforcing tire rules, and educating businesses about proper waste tire management, ground and surface waters are protected, the spread of disease is prevented, tire fires and their impact on air quality are prevented, and living conditions in communities are improved.

Reservations in Washington are large and attractive areas for dumping old tires, often by people who are not residents of the

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Description

reservation. Tire piles are also an indicator of neighborhood decay and, if left in place, contribute to the degradation of communities.

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 and local government programs. This cleanup program reduces the need for local governments to respond to burning tire piles and insect and vermin problems.

What is the impact on the state operating budget?

None.

Proviso

N/A

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Grants

Grant Recipient Organization: Public entities: cities, counties, irrigation or mosquito cntrl distr, universities, and tribes.

RCW that establishes grant: Chapter 70A.205 RCW

Application process used

Ecology and public entities work together to provide opportunities for waste tire pile prevention, enforcement, and cleanup across Washington.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriates	New Appropriates
08R-1	Waste Tire Removal A-State	5,000,000				1,000,000
	Total	5,000,000	0	0	0	1,000,000

Future Fiscal Periods

Acct Code	Account Title	2023-25	2025-27	2027-29	2029-31
		Estimated Total	Estimated Total	Estimated Total	Estimated Total
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

Ecology Waste Tire Removal 2007-2019

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	2124	42
2017	446,708	2084	36
2018	175,748	+	+
2019	652,848	2986	33
Total	13,349,815	70,149	446
<p>*Note: 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.</p> <p>*Note: Due to the delayed passage of a new 2019-21 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.</p>			

**Department of Ecology
2021-2031 Capital Budget**

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 3:46PM

Project Number: 40000337

Project Title: 2021-23 Water Pollution Control Revolving Program

Description

Starting Fiscal Year: 2022

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 or 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. 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 is requesting \$300 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. Ecology makes loans available through a statewide, competitive rating and ranking process. Since its creation in 1989, the CWSRF program has loaned more than \$2 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:

- \$75 million from the Water Pollution Control Revolving Account (WPCRA) – Federal (Fund 727–2) for new federal capitalization grants.
- \$225 million from the WPCRA – State (Fund 727–1) from loan and interest repayments and a state match.

Note: The annual federal capitalization grant must be matched with 20 percent state funds. Ecology is requesting state match through a separate capital project that will transfer \$15 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 stakeholders to ensure financial assistance programs are meeting water quality needs by providing affordable loan financing to address:

- Aging and new wastewater treatment infrastructure.
- 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 resiliency.
- Stormwater planning.
- Non-point pollution from agricultural, forested, and urban areas.
- Failing onsite sewage systems.

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Description

- Water quality needs of financially distressed communities.

Challenges and financial impacts to communities will be magnified over the 2021-23 Biennium due to the impacts of COVID-19 on water utilities due to reduced revenue from business and residential bill non-payment. These added pressures will increase the needs for affordable financing of critical improvements to water quality infrastructure.

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 percent of the money is for planning, design, or construction of 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 percent 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 run-off from agricultural lands, urban areas, or forest lands are nonpoint sources.

- 5 percent 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 Environmental Protection Agency (EPA) and the states allows federal and state agencies to stretch the limited dollars available for water quality infrastructure. The 2012 EPA Clean Watersheds Needs Survey estimates the needs for funding water quality infrastructure projects over a 20-year period at more than \$4.0 billion for Washington State (<https://www.epa.gov/cwns/clean-watersheds-needs-survey-cwns-2012-report-and-data>). 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.

Continued funding and support for the CWSRF program is critical for helping Washington's local governments, special purpose districts, and 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 program and agency policy provide the framework for the Funding Guidelines, including:

- Chapter 173-98 WAC, Uses and Limitations of the Water Pollution Control Revolving Fund
- Chapter 70.146 RCW, Water Pollution Control Facilities Financing
- Chapter 90.50A RCW, Water Pollution Control Facilities
- Administrative Requirements for Recipients of Ecology Grants and Loans Managed in EAGL
- Chapter 173-240 WAC, Submission of Plans and Reports for Construction of Wastewater Facilities
- Chapter 90.46 RCW, Reclaimed Water Use
- RCW 70.235.070, Distribution of Funds Prerequisites: Greenhouse gas emissions. Please see attached applicant requirements for greenhouse gas emissions reduction.

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Description

What are the specific benefits of this project?

The CWSRF loan program provides low-interest loans to local governments, special purpose districts, and 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, 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 can save communities millions in interest payments compared to local government bond issuance.

This request will also provide economic benefits to the state by creating up to 538 jobs during the next two years based on Office of Financial Management estimates.

What are the effects of non-funding?

If this request is not funded, federal capitalization grant funding of up to \$75 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 \$300 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, 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; and creating jobs and improve economic health.

What is the agency's proposed funding strategy for the project?

The WPCRA and its dedicated revenue sources support the CWSRF loan program. Dedicated revenue sources include:

- Yearly capitalization grants from the Environmental Protection Agency authorized by Congress in the federal budget process.

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Description

- State match (20 percent) – required under the federal Clean Water Act of 1987 – transferred into the fund from the STBCA.
- Principal and interest repayments by loan recipients.
- Interest earned on the fund balance by investments from the 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 typically awards half of the funds available for the biennium at the beginning of each fiscal year.

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 implementing following goals in Ecology's strategic plan:

- Goal 1: Support and Engage our Communities, Customers, and Employees - Through Ecology's integrated Water Quality Financial Assistance Program, which continues to provide one-application and rating and ranking process to award funding from four separate funding sources, including CWSRF.
- Goal 2: Reduce and Prepare for Climate Impacts - CWSRF funded projects often help communities prepare for climate impacts and integrate climate resiliency and long term sustainability. Examples are reclaimed water and water reuse facilities that help small communities be resilient and sustainable in water-short areas, and increased stream buffers and native vegetation to help address stream flow dynamics, temperature impacts, and carbon sequestration, in addition to improving water quality.
- Goal 4: Protect and Manage our State Waters
- Goal 5: Protect and Restore Puget Sound - By continuing to fund projects for water pollution control infrastructure and projects that reduce nonpoint pollution and nutrient discharges.

This request provides essential support to several of the Governor's Results Washington Goals, including:

- Goal 2: Prosperous Economy, by providing opportunities for quality jobs when a new wastewater system is constructed or an existing system is repaired or upgraded. State financial managers calculate that about 11 jobs in Washington are created for every \$1 million spent for construction and design. 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, by providing 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 by funding projects that address the impacts of climate change and improving community resiliency through support of long term multi-benefit solutions to impacts from water pollution, including nutrients and temperature. CWSRF supports economic security by providing grant subsidy to small hardship communities to protect public health while keeping utility rates reasonable. CWSRF supports Environmental Justice issues by addressing needs in low income communities through low or no interest loans in conjunction with forgivable principal to reduce residential rate impacts.
- Goal 5: Efficient, Effective, and Accountable Government by creating an efficient and streamlined approach for communities to

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Description

apply for and access funding resources through an integrated water quality financial assistance program. CWSRF is part of an integrated funding system that streamlines the application and award process for funding critical water quality projects. The system is reviewed and updated annually to make efficiency improvements based on internal and external stakeholder input.

This request directly supports the 2018-2022 Puget Sound Action Agenda Implementation Plan through the following Ongoing Program: Water Quality - Provide Financial Assistance. Per the Implementation Plan, *"The magnitude of work to protect and recover Puget Sound that occurs through ongoing programs cannot be overstated—ongoing programs are recognized as the critical foundation for Puget Sound recovery."*

This request also supports the following 2018 Regional Priorities and Regional Priority Approaches:

- CHIN2.5 - Address and manage water quality parameters, including: excess nutrient loading (such as nitrogen) for all sources, and with specific attention to pathways associated with wastewater treatment outfalls; elevated temperatures; sediment; and Toxics.
- CHIN2.6 - Incentivize and accelerate stormwater management for new and existing development.
- CHIN7.1 - Protect and/or restore critical habitat for salmon populations.
- TIF1 - Enhance pollutant reduction programs and corrective measures, and increase authorities and programs to prevent toxic chemicals from entering Puget Sound.
- TIF2 - Address stormwater treatment.
- LDC 3 - Implement integrated strategies and policies to protect and restore ecologically important lands.
- BIB1 - Increase local capacity to manage stormwater programs.
- BIB2 - Provide education and incentives for legacy retrofits.
- BIB3: Facilitate the increased use or performance of best management practices in working/rural lands.
- BIB5 - Conduct watershed-scale planning to protect and restore water quality.
- FUND 1.2 - Explore and utilize new sources of funding, and enhance existing sources of funding.
- ORCA1 - Implement the Governor's Southern Resident Orca Task Force recommendations, as well as the Chinook salmon and Toxics in Fish Implementation Strategies.

This request also supports efforts under the Governors' Executive Order 18-02, Southern Resident Orca Recovery and Task Force, by funding projects that reduce toxic pollutant migration to Puget Sound so that Southern Resident orca exposure to toxics is reduced. Specific supported Task Force recommendations include:

- Recommendation 1 - Significantly increase investment in restoration and acquisition of habitat in areas where Chinook stocks most benefit Southern Resident orcas.
- Recommendation 31 - Reduce stormwater threats and accelerate clean-up of toxics harmful to orcas.
- Recommendation 34 - Provide sustainable funding for implementation of all recommendations.

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 venues,

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Description

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, DOH, Commerce, 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 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 also allows us to better serve small, financially challenged communities that receive CWSRF loan and Centennial grant assistance.

What is the impact on the state operating budget?

There are no related decision packages in the Operating Budget.

Proviso

N/A

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. 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

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 3:46PM

Project Number: 40000337

Project Title: 2021-23 Water Pollution Control Revolving Program

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriates	New Appropriates
727-1	Water Pollution Cont-State	1,125,000,000				225,000,000
727-2	Water Pollution Cont-Federal	375,000,000				75,000,000
	Total	1,500,000,000	0	0	0	300,000,000

Future Fiscal Periods

	2023-25	2025-27	2027-29	2029-31
727-1 Water Pollution Cont-State	225,000,000	225,000,000	225,000,000	225,000,000
727-2 Water Pollution Cont-Federal	75,000,000	75,000,000	75,000,000	75,000,000
Total	300,000,000	300,000,000	300,000,000	300,000,000

Operating Impacts

No Operating Impact

Water Pollution Control Revolving Fund 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 2022 Water Quality Financial Assistance Funding Guidelines <https://fortress.wa.gov/ecy/publications/SummaryPages/2010024.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 2020) 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.

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Report Number: CBS002

Date Run: 9/3/2020 3:15PM

Project Number: 40000359

Project Title: 2021-23 Centennial Clean Water Program

Description

Starting Fiscal Year: 2022

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 to plan 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 the 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 onsite 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 protecting and restoring water quality and protecting 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 stakeholders 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.
- Water quality cleanup plans required under the federal Clean Water Act.
- Advanced wastewater treatment to meet designated uses of the receiving water.

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Project Title: 2021-23 Centennial Clean Water Program

Description

- Wastewater reclamation and reuse to address sustainability and resiliency.
- Stormwater planning.
- Non-point pollution from agricultural, forested, and urban areas.
- Failing onsite sewage systems.

CCWP is mandated in Chapter 173–95A WAC, Uses and Limitations of Centennial Clean Water Funds. Ecology awards grant funds only for wastewater treatment facilities projects where a community can demonstrate that funding the project through public sewer rates will cause a severe financial hardship to the residents of the community. 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. Funding goes to local governments that can demonstrate the project will cause a financial burden to the existing residential ratepayers.

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 assessment conducted in 2019, and ongoing communication with small community stakeholders with wastewater facility planning, design and construction needs, Ecology expects the demand for hardship financial assistance in the 2021-23 Biennium will be around \$157 million for 23 communities. Of this, Ecology estimates that at least half of this amount (\$78.5 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 CWSRF loan.

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 \$28 million to support these projects. The total estimated biennial CCWP need is \$106.5 million, and Ecology is requesting \$80 million to fund the highest priority projects. (See Attachment A for a summary of the communities and needs identified for the 2021-23 Biennium).

Challenges and financial impacts to communities will be magnified over the 2021-23 Biennium due to the impacts of COVID-19 on water utilities due to reduced revenue from business and residential bill non-payment. These added pressures will increase the needs for affordable financing of critical improvements to water quality infrastructure.

The Water Quality Program administers CCWP under a well-established integrated annual funding cycle since 1988 and awards grants on a competitive basis to eligible public bodies for high priority water quality projects throughout Washington State. 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 state Legislature in January, and the Final List with project awards issued by July, following legislative appropriation of funding.

Eligible project types:

Wastewater facility (grants for qualified hardship eligible communities only):

- Planning, environmental review, design, and construction.
- Facilities for wastewater conveyance and treatment.

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Project Title: 2021-23 Centennial Clean Water Program

Description

- Combined sewer overflow (CSO) abatement.
- Infiltration and inflow (I/I) correction.
- Reclaimed water and reuse, including reclaimed water distribution.

Onsite sewage system:

- Large onsite 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.
- 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 Managed in EAGL.

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Project Title: 2021-23 Centennial Clean Water Program

Description

- Chapter 173-240 WAC, Submission of Plans and Reports for Construction of Wastewater Facilities.
- Chapter 90.46 RCW, Reclaimed Water Use
- RCW 70.235.070, Distribution of Funds Prerequisites: Greenhouse gas emissions. 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, non-point 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, and 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 financial assistance 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 more than 20 counties statewide.
- Most nonpoint source pollution abatement projects have no local source of funding or rate base support, so CCWP is a critical program for funding of nonpoint source projects in communities throughout the state.

In addition to protecting water quality and public health, assistance provided by CCWP 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 repair and replacement of on-site sewage systems.

This request will also provide economic benefits to the state by creating up to 193 jobs during the next two years based on Office of Financial Management estimates.

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 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, \$7.4 million in federal funds would be in jeopardy without the CCWP state match. Job creation (infrastructure construction jobs) and economic support and development (infrastructure capacity) opportunities associated with these projects would not be realized, and residential rate impacts would escalate.

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Project Number: 40000359

Project Title: 2021-23 Centennial Clean Water Program

Description**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 70.146 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 for 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 non-point 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 the Puget Sound and statewide, and to improving community economic health.

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 recent 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 SBCA funds have been used by the Legislature to support this program in past biennia.

CCWP is used for match to secure federal funds provided by the Environmental Protection Agency (EPA) through the Section 319 Nonpoint Source grant program.

Funding for this request includes \$15,000 to maintain and update the grant or loan applications in Ecology systems.

Are FTEs required to support this project?

No capital FTEs are required.

How does the project support the agency and statewide results?**Strategic Framework**

This request is essential to implementing Ecology's strategic plan because implementing water quality projects funded by CCWP addresses Ecology's strategic plan goals:

- Support and Engage our Communities, Customers, and Employees: CCWP directly supports Ecology's commitment to Environmental Justice by supporting processes and funding projects that help offset disproportionate impacts on low income communities and financially challenged residents.

- Reduce and Prepare for Climate Impacts: CCWP funded projects often help communities prepare for climate impacts and integrate climate resiliency and long term sustainability, such as reclaimed water and water reuse facilities that help small communities be resilient and sustainable in water short areas, increasing stream buffers and native vegetation to help address

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Description

stream flow dynamics, temperature impacts, and carbon sequestration, in addition to improving water quality.

- Prevent and Reduce Toxic Threats and Pollution: By providing financial assistance to fund projects that directly reduce is reduced from entering Washington waters.

- Deliver Integrated Water Solutions: By funding projects for water pollution control infrastructure that address water reclamation and reuse and projects that reduce impacts from nonpoint pollution and nutrient discharges.

- Protect and Restore Puget Sound: On average, about 60 percent of CCWP funds are awarded to projects in the Puget Sound Basin. Projects funded lead to direct and indirect improvements to Puget Sound water quality through constructed pollution control infrastructure that goes above and beyond permit requirements, implementation of nonpoint pollution abatement projects, and repair and replacement of failing onsite sewage systems.

This request provides essential support to the following Governor's Results Washington Goals:

Goal 2: Prosperous Economy, by providing public health protection as well as economic opportunities for quality jobs when a new sewer system is constructed or an existing system is repaired or updated. Providing small community financial assistance for sustainable clean water infrastructure supports local economies and healthy communities.

Goal 3: Sustainable Energy and a Clean Environment, by:

- Improving energy and water efficiencies for wastewater and stormwater infrastructure.

- Repairing and replacing failing onsite sewage systems.

- Implementing riparian restoration and protection programs.

- Reducing nonpoint pollution through source control.

- Implementing water quality best management practices.

Goal 4: Healthy and Safe Communities, by funding projects that address the impacts of climate change and improving community resiliency through support of long term multi-benefit solutions to impacts from water pollution, including nutrients and temperature. Centennial supports economic security by providing grant subsidy to small hardship communities to protect public health while keeping utility rates reasonable.

Goal 5: Efficient, Effective, and Accountable Government by creating an efficient and streamlined approach for communities to apply for and access funding resources through an integrated water quality financial assistance program. Centennial is part of an integrated funding system that streamlines the application and award process for funding critical water quality projects. The system is reviewed and updated annually to make efficiency improvements based on internal and external stakeholder input.

This request directly supports Puget Sound Action Agenda Implementation through the following Ongoing Program: Water Quality - Provide Financial Assistance. Per the Implementation Plan "The magnitude of work to protect and recover Puget Sound that occurs through ongoing programs cannot be overstated—ongoing programs are recognized as the critical foundation for Puget Sound recovery."

This request also supports the following 2018 Regional Priorities and Regional Priority Approaches:

- CHIN2.5: Address and manage water quality parameters, including: Excess nutrient loading (such as nitrogen) for all sources, and with specific attention to pathways associated with wastewater treatment outfalls; Elevated temperatures, Sediment, Toxics

- CHIN2.6: Incentivize and accelerate stormwater management for new and existing development.

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Description

- CHIN7.1: Protect and/or restore critical habitat for salmon populations.
- TIF1: Enhance pollutant reduction programs and corrective measures, and increase authorities and programs to prevent toxic chemicals from entering Puget Sound.
- TIF2: Address stormwater treatment.
- LDC3: Implement integrated strategies and policies to protect and restore ecologically important lands.
- BIB1: Increase local capacity to manage stormwater programs.
- BIB2: Provide education and incentives for legacy retrofits.
- BIBI3: Facilitate increased use or performance of best management practices in working/rural lands.
- BIB5: Conduct watershed-scale planning to protect and restore water quality.
- FUND1.2: Explore and utilize new sources of funding, and enhance existing sources of funding.
- ORCA1: Implement the Governor's Orca Task Force recommendations and other plans.

This request also supports efforts under the Governors' Executive Order 18-02, Southern Resident Killer Whale Recovery and Task Force, by funding projects that reduce toxic pollutant migration to Puget Sound so that Southern Resident population exposure to toxics is reduced. Specific Task Force recommendations supported:

- 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.

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 venues, 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, DOH, Commerce, 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 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 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

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Project Title: 2021-23 Centennial Clean Water Program

Description

financial assistance and water quality project outcomes and also allows us to better serve small, financially challenged communities that receive CWSRF loan and Centennial grant assistance.

What is the impact on the state operating budget?

None

Proviso

N/A

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
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						
		2023-25	2025-27	2027-29	2029-31	
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 2021-23 Biennium

Purpose: This document contains results of Ecology's needs survey outreach to small communities with populations under 10,000 with planned wastewater facility, nonpoint, and onsite sewage projects anticipated to occur in the 2021-23 Biennium. This list documents statewide hardship/small 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 to be received in the fall of state fiscal years 2020 and 2021.

Community	Project Title	Project Type	Total Estimated Cost	Project Phase	Fiscal Year Planned
Chehalis	Replace/Upgrade Riverside & Prindle Pump Station Force mains	Sewer Replacement/Repair	\$1,500,000	Planning and Design	2022
Clallam County	Clallam Bay - Sekiu Wastewater Treatment Facility	Secondary Treatment	\$19,510,000	Design and Construction	2022-23
Clarkston	Activated Sludge Improvements	General Planning	\$220,000	Planning	2022
Clarkston	Replace Sewer Collection Lines	Sewer Replacement/Repair	\$22,000,000	Planning, Design, Construction	2022-23
Cle Elum	Sewer Revitalization	Sewer Replacement/Repair	\$680,000	Design and Construction	2022
College Place	Wastewater Treatment Plant Upgrades	Secondary Treatment	\$20,000,000	Design and Construction	2022-23
Connell	Country Estates Collection System	New Collector Sewers	\$750,000	Design and Construction	2022
Dryden	Dryden Wastewater Improvements	Advanced Treatment	\$3,500,000	Planning, Design, Construction	2022-23
Forks	Secondary Clarifier	Secondary Treatment	\$1,000,000	Planning and Design	2022
Friday Harbor	Wastewater Treatment Plant Upgrades	Secondary Treatment	\$14,000,000	Design and Construction	2022-23
Grandview	Wastewater Treatment Facility Improvements	Secondary Treatment	\$6,000,000	Planning, Design, Construction	2022-23
Granite Falls	Wastewater Treatment Plant Expansion	Secondary Treatment	\$13,400,000	Design and Construction	2022-23
Klickitat County PUD	Upgrading of the Current Evaporation Pond Liner	Secondary Treatment	\$725,000	Planning and Design	2023
Lummi Tribal Sewer and Water District	Lummi Tribal Sewer Rehabilitation	Sewer Replacement/Repair	\$2,107,000	Design and Construction	2022
Mossyrock	Wastewater Treatment Facility Upgrade	General Planning	\$350,000	Planning and Design	2022
Napavine	Upgrade or Replace Rush Road Sewer Station	New Collector Sewers	\$1,500,000	Planning and Design	2022
Port Townsend	Sewer Outfall	Sewer Replacement/Repair	\$3,300,000	Design and Construction	2022
Republic	Inflow + Infiltration Abatement	Infiltration/Inflow Correction	\$2,000,000	Design and Construction	2022
Royal City	Wastewater facility updates	Secondary Treatment	\$1,500,000	Design and Construction	2022
Sequim	Etta Street Sewer Improvements	Sewer Replacement/Repair	\$176,000	Design	2022

Community	Project Title	Project Type	Total Estimated Cost	Project Phase	Fiscal Year Planned
Sequim	North Blake Avenue Sewer Improvements	Sewer Replacement/Repair	\$172,000	Planning	2022
Sequim	Aerobics Digester Capacity Upgrades	Sewer Replacement/Repair	\$2,053,000	Construction	2022
Stevenson	Stevenson Collection System Upgrades	Sewer Replacement/Repair	\$5,068,000	Design and Construction	2022
Stevenson	Stevenson WWTP Upgrade	Sewer Replacement/Repair	\$10,938,000	Design and Construction	2022
Sunland Water District	Upgrade Wastewater Treatment to Class A EQ Biosolids	Advanced Treatment	\$2,000,000	Planning and Design	2022
Twisp	Wastewater Facility Improvements	Secondary Treatment	\$5,000,000	Design and Construction	2022
Waterville	Relocation and construction of a new lagoon system	Secondary Treatment	\$10,000,000	Design and Construction	2022-23
Waterville	Collection System Repairs	Infiltration/Inflow Correction	\$5,000,000	Construction	2022
Waterville	Sewer Expansion	New Collector Sewers	\$2,500,000	Planning, Design, Construction	2022
Total Hardship Need			\$156,949,000		
Estimated Hardship Centennial Grant Eligibility (half of total Hardship need)			\$78,474,500		
On-site Sewage Repair and Replacement Program	Support for a Statewide On-site Sewage System Repair and Replacement Program	On-Site Sewage	\$8,000,000	Design and Construction	2022-23
Nonpoint Source Pollution Control Projects	Multiple projects statewide addressing the abatement of nonpoint pollution sources and matching federal Section 319 dollars	Nonpoint Source	\$20,000,000	Planning, Design, Construction	2022-23
Total Centennial Need for 2021-23			\$106,474,500		

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 2022 Water Quality Financial Assistance Funding Guidelines <https://fortress.wa.gov/ecy/publications/SummaryPages/2010024.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 2020) 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.

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Project Number: 40000389

Project Title: 2021-23 Floodplains by Design

Description

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 5

Project Summary

In Washington, the costs of flooding exceed 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 most at risk. In the past, solutions to flooding problems were often out of sync with other ecosystem protection or restoration activities. Floodplains by Design is a floodplain management program that uses an integrated approach to managing our state's flood-prone areas. Floodplains by Design combines flood-hazard reduction actions with salmon recovery, habitat restoration, and other community benefits. The program is a public-private partnership between Ecology, The Nature Conservancy, and the Puget Sound Partnership. Related to Puget Sound Action Agenda Implementation. (State Building Construction Account)

Project Description

What is the proposed project?

Ecology is requesting \$70 million from the State Building Construction Account to continue flood-hazard reduction efforts addressed in the capital Floodplains by Design (FbD) grant program. Since the 2013-15 Biennium, the state has appropriated \$165 million in funding for the FbD program, which has paid for 45 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.

As of 2020, FbD funded projects have reduced (or will reduce) flood hazards in 59 communities, reconnected more than 7,000 acres of floodplains, restored or protected habitat along 50 miles of river, reduced flood risk for over 2,200 homes or structures, and protected over 1,300 acres of working lands. The Cedar River Corridor/Riverbend project in King County removed over 100 mobile homes from the flood hazard area, reconnected the river to the floodplain, increasing storage, and capacity, and restored salmon habitat. Adjacent areas upstream and downstream will benefit from reduced peak flood flows and reduced channel migration.

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.

FbD complements and works in concert with other floodplain initiatives to reduce flood hazards and improve ecosystem functions. Due to our partnership program, local communities have been able to reduce, and in some cases eliminate, their flood hazards. At the same time, communities are also improving salmon habitat, water quality, and recreational opportunities and promoting economic development.

Project Solicitation

In October 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, and flood and conservation districts. Ecology asks for preliminary proposals that meet FbD criteria for flood-hazard risk reduction coupled with floodplain ecosystem protection and restoration.

Ecology works closely with The Nature Conservancy and Puget Sound Partnership to review preliminary proposals based on flood-hazard risk reduction and ecosystem protection/restoration outcomes, project schedule, costs, and other benefits.

In April of even numbered years, potential applicants with preliminary proposals meeting the review criteria are invited to give presentations about their proposed projects and submit full grant applications. Our FbD evaluation criteria includes how well a project addresses:

- Actions that reduce flood hazards and flood risks.

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- Prospects for restoring a floodplain's ecosystem.
- Agricultural viability.
- Ability to improve water quality.
- Opportunities for public access and recreation.
- Cost effectiveness, long-term cost avoidance, and opportunities for leveraging grant funding.
- Demonstration of need and support.
- Readiness to proceed.
- Social justice and equity issues.

Ecology also assess whether proposals are located in a Puget Sound priority floodplain.

For the upcoming 2021-23 funding cycle, 23 different entities submitted full grant applications for potential FbD projects, valued at more than \$90 million. The applications will be scored and ranked by Ecology; The Nature Conservancy; Puget Sound Partnership; and partner experts from the state Military Department's Emergency Management Division and Washington Department of Fish and Wildlife; U.S. Fish and Wildlife Service; Federal Emergency Management Agency; U.S. Geological Survey; and National Oceanic and Atmospheric Administration.

This request includes \$2.1 million, representing three percent of total funding, to continue necessary staffing for financial accountability and project management over the lifetime of all projects. The average project lasts four years.

What opportunity or problem is driving this request?

Before the floodplain management grants project was created 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 of this 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 elements for meeting Puget Sound Action Agenda objectives, while 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 reducing flood risks and improving the floodplain ecosystem with projects like reducing floodwater depths, preventing river avulsions, and reducing or removing the structures vulnerable to flooding.

Local stakeholder involvement and support are central to this process. Growth and development puts increasing pressure on state floodplains which, in turn, escalate the costs of flood-related damages. At the same time, efforts to recover salmon and improve water quality often conflict with traditional flood-hazard mitigation remedies. A multi-benefit approach helps alleviate these conflicts. For example, an FbD project in the Dungeness River watershed included irrigation piping upgrades to conserve water and improve the reliable supply of agricultural water. The project also entailed buying land and removing a damaged, non-functioning levee system while restoring salmon habitat in the estuary and river system. The Lower Dungeness project also provided new open space for public access and recreation. These are the types of multi-benefit FbD projects Ecology use new capital funding to invest in.

Ecology continually makes improvements to this program. For example, during the 2013-15 Biennium, the first FbD grant cycle, we included the first projects to take a coordinated investment approach toward floodplain management. These proviso projects were based on the concept that state capital dollars could be spent over multiple biennia. This approach, however, can lead to

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Description

large funding re-appropriations.

In March 2018, Ecology conducted an internal review of the grant program. We evaluated our scoring system, guidelines, application procedures, staffing levels, grant management, and spending rates. As a result, changes were made during the 2019-21 Biennium to expedite project completion and lower the need for re-appropriated funds. In the 2021-23 Biennium, only projects ready to proceed, that can be completed within two to four years, will be considered.

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. The report is available at <https://fortress.wa.gov/ecy/publications/documents/1906004.pdf>

What are the specific benefits of this project?

These multi-benefit projects help reduce flood hazards and improve river habitat for salmon and other species. The FbD program lowers long-term costs by creating more resilient approaches for reducing flood hazards and repeated losses due to flood damage. 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). This request will also provide economic benefits to the state by creating up to 128 jobs during the next two 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. This would leave communities vulnerable to flood hazards. Since 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 Puget Sound and salmon recovery efforts. 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 occur more frequently and cause greater damage. The FbD program is also a significant source for floodplain restoration projects to help meet the Puget Sound Action Agenda's goal of restoring 15 percent of Puget Sound floodplains.

The Nature Conservancy conducted an informal poll of floodplain experts, including King, Pierce, and Yakima counties, and estimated local governments have at least \$2 billion in need during the next 20 years. This estimate was shared with the Legislature in 2017.

The demand for FbD grant funding is demonstrated by the number of projects that have been submitted and by polling floodplain managers. In addition to the nine 2013-15 proviso projects, we received:

- In 2013-15, 22 applications and 13 projects funded.
- In 2015-17, 22 applications and seven projects funded.
- In 2017-19, 29 applications and seven projects funded.
- In 2019-21, 20 applications and 10 projects funded.

Why is this the best option or alternative?

No other state fund source exists to achieve the scale of work needed to protect and restore Washington's floodplains. Continuing floodplain management projects on a piecemeal or site-specific approach could actually exacerbate instead of help community flood hazards. These approaches also fail to integrate other ecosystem actions taken by Ecology and other state agencies. Local resources alone cannot take game-changing flood-risk reduction actions, such as levee setbacks. Relying on

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Project Title: 2021-23 Floodplains by Design

Description

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 them reduce flood risks while improving the environmental functions and economic benefits floodplains provide.

What is the agency's proposed funding strategy for the project?

Grants will be funded entirely through the State Building Construction Account. Recipients will be required to provide up to a 20 percent match for capital projects. Ecology will consider economically disadvantaged communities and other factors in determining match requirements. The scoring system also favors projects that leverage other funding sources, including federal, state, tribal, local, and private funding. See our program funding guidelines (<https://fortress.wa.gov/ecy/publications/documents/1906011.pdf>).

Funding for this request includes \$15,000 to maintain and update the grant or loan applications in the agency systems.

Are FTEs required to support this project?

This project requires a total of 8.0 FTEs. FbD program staff provide project oversight, conduct performance and financial management, offer outreach to local floodplain management agencies, and coordinate with our partners at The Nature Conservancy and Puget Sound Partnership. They advise local project sponsors on program expectations and project development, manage active projects, including performing site visits, coordinating with other grant programs and Ecology's Coordinated Strategic Initiative, and assisting with policy and budget development.

This is a slightly higher level of staff over the total that managed the program in the 2019-21 Biennium. The FbD program was started on limited staffing and has grown as the program has matured and staffing needs are better identified.

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?

FbD is essential to implementing four goals in Ecology's strategic plan:

- Protect and Restore Puget Sound by protecting and restoring functioning floodplains in Puget Sound, a major goal of the Puget Sound Partnership's Action Agenda.
- Protect and manage our state's waters by providing increased financial assistance to support community-based projects that improve public protection from flood hazards and result in environmentally-sound floodplain management.
- Reduce and Prepare for Climate Impacts, also a Governor priority, by helping communities consider future flooding scenarios and design flood hazard reduction approaches.
- Support and engage our communities, customers, and employees by promoting progressive floodplain management concepts, encouraging local participation of all stakeholders, and incentivizing that with direct funding for measurable solutions.

The program supports three of the Governor's Results Washington goals:

- Goal 3: Sustainable Energy and a Clean Environment by preventing flood damage that would introduce pollutants into river and shoreline areas. By considering future flooding scenarios due to climate change and designing flood hazard reduction

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approaches.

- Goal 4: Healthy and Safe Communities by funding projects that provide communities the necessary resources and assistance to prevent loss of life and property during catastrophic flood events.

- Goal 5: Effective, Efficient, and Accountable Government by coordinating the flood hazard reduction program with other state initiatives, such as salmon recovery and improving water quality.

This request supports the Puget Sound Action Agenda implementation through Ongoing Program OGP_ECY13: Shorelands - Floodplains by Design (Department of Ecology) and is linked to the following Regional Priorities and Sub-Strategies:

- Regional Priority FP1 - Enable greater local planning capacity to address restoration and protection. economic, and political factors currently affecting habitat.

- Sub-strategy 5.1: Improve data and information to accelerate floodplain protection, restoration, and flood hazard management.

- Sub-strategy 5.2: Align policies, regulations, planning, and agency coordination to support multi-benefit floodplain management, incorporating climate change forecasts.

- Sub-strategy 5.3: Protect and maintain intact and functional floodplains.

- Sub-strategy 5.4: Implement and maintain priority floodplain restoration projects.

This request also supports efforts under the Governors' Executive Order 18-02, Southern Resident Orca Recovery and Task Force through Recommendation 5 - Develop incentives to encourage voluntary actions to protect habitat.

FbD is the primary program that supports the Action Agenda's goal of restoring 15 percent of the floodplain connectivity in the Puget Sound basin.

How will the other state programs or units of government be affected if this project is funded?

An important FbD objective is improving the coordination and maximizing the effectiveness of combining various funding sources to achieve multiple floodplain management benefits. Other state agency partners, including the Department of Fish and Wildlife, Recreation and Conservation Office, and Puget Sound Partnership, will work to improve funding coordination. Local governments will have new funding to put flood hazard and ecosystem projects in place to make a lasting impact for years to come, complementing other state and federal grant programs that support salmon habitat recovery.

What is the impact on the state operating budget?

Ecology receives operating funding for reducing flood risks through the Flood Control Assistance Account (FCAA) Program, as required by state law (RCW 86.26.007). The law specifies that \$4 million be transferred from the State General Fund to FCAA each biennium. However, due to economic conditions, from the 2009-11 to the 2015-17 biennia, the transfer was reduced by 50 percent to only \$2 million each biennium. While the full \$4 million transfer was established for the 2017-19 and 2019-21 biennia, \$2 million in FCAA funds was directed to other work. As a result, flood control work has been limited to technical assistance from Ecology staff and a handful of small emergency grants. Ecology has a separate, but related operating request to restore the FCAA Program back to \$4 million a biennium, and create a Community Flood Resilience Grant Program to help local partners reduce flood risks and protect their communities from flooding.

Proviso

N/A

Location

City: Statewide

County: Statewide

Legislative District: 098

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Project Title: 2021-23 Floodplains by Design

Description

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	350,000,000				70,000,000
	Total	350,000,000	0	0	0	70,000,000
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
057-1	State Bldg Constr-State	70,000,000	70,000,000	70,000,000	70,000,000	
	Total	70,000,000	70,000,000	70,000,000	70,000,000	

Operating Impacts

No Operating Impact

SubProjects

SubProject Number: 40000442

SubProject Title: Program Administrative Support

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Project Number: 40000389

Project Title: 2021-23 Floodplains by Design

SubProjects

SubProject Number: 40000442

SubProject Title: Program Administrative Support

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 5

Project Summary

In Washington, the costs of flooding exceed 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 most at risk. In the past, solutions to flooding problems were often out of sync with other ecosystem protection or restoration activities. Floodplains by Design is a floodplain management program that uses an integrated approach to managing our state's flood-prone areas. Floodplains by Design combines flood-hazard reduction actions with salmon recovery, habitat restoration, and other community benefits. The program is a public-private partnership between Ecology, The Nature Conservancy, and the Puget Sound Partnership. Related to Puget Sound Action Agenda Implementation. (State Building Construction Account)

Project Description

The Nature Conservancy, as the primary partner in the public-private Floodplains by Design partnership, will provide critical program support including statewide technical assistance, technical studies, and facilitation of public-private-tribal advisory groups related to implementing the proposed capital projects.

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	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Reappropriations
057-1	State Bldg Constr-State	825,000			825,000
	Total	825,000	0	0	825,000
Future Fiscal Periods					
		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	0	0	0	0

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Project Number: 40000389

Project Title: 2021-23 Floodplains by Design

SubProjects

SubProject Number: 40000442

SubProject Title: Program Administrative Support

Operating Impacts

No Operating Impact

SubProject Number: 40000443

SubProject Title: Restoring Snoqualmie River Floodplain Processes

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 5

Project Summary

In Washington, the costs of flooding exceed 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 most at risk. In the past, solutions to flooding problems were often out of sync with other ecosystem protection or restoration activities. Floodplains by Design is a floodplain management program that uses an integrated approach to managing our state's flood-prone areas. Floodplains by Design combines flood-hazard reduction actions with salmon recovery, habitat restoration, and other community benefits. The program is a public-private partnership between Ecology, The Nature Conservancy, and the Puget Sound Partnership. Related to Puget Sound Action Agenda Implementation. (State Building Construction Account)

Project Description

Project activities will include: removal of a levee; removal and installation of a new revetment; construction of a new berm; excavation of a side channel; construction of a high priority agricultural drainage; weed control; and, installation of native plants and weed control along the Snoqualmie River. The project will reconnect 145 acres of Snoqualmie River floodplain in one of the most important salmon spawning and rearing reaches in the Snohomish River Basin.

Location

City: Snoqualmie

County: King

Legislative District: 005

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

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Project Number: 40000389

Project Title: 2021-23 Floodplains by Design

SubProjects

SubProject Number: 40000443

SubProject Title: Restoring Snoqualmie River Floodplain Processes

Funding

Acct Code	Account Title	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
057-1	State Bldg Constr-State	10,309,000			10,309,000
	Total	10,309,000	0	0	10,309,000

Future Fiscal Periods

	Account Title	2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000444

SubProject Title: Dungeness River Floodplains and Farmlands

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 5

Project Summary

In Washington, the costs of flooding exceed 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 most at risk. In the past, solutions to flooding problems were often out of sync with other ecosystem protection or restoration activities. Floodplains by Design is a floodplain management program that uses an integrated approach to managing our state's flood-prone areas. Floodplains by Design combines flood-hazard reduction actions with salmon recovery, habitat restoration, and other community benefits. The program is a public-private partnership between Ecology, The Nature Conservancy, and the Puget Sound Partnership. Related to Puget Sound Action Agenda Implementation. (State Building Construction Account)

Project Description

The project will reduce flood hazards, restore salmon and shellfish habitat, increase recreational opportunities, and conserve farmlands in the Dungeness River. The Tribe will use the funds for: conservation easement and property acquisitions; design, permitting, and construction of a U.S. Army Corps of Engineers' dike setback; relocating structures and restoring the Dungeness River Floodplain; and restoration of 60 acres of the Rivers Edge Floodplain.

Location

City: Unincorporated

County: Clallam

Legislative District: 024

Project Type

Grants

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Project Number: 40000389

Project Title: 2021-23 Floodplains by Design

SubProjects

SubProject Number: 40000444

SubProject Title: Dungeness River Floodplains and Farmlands

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	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
057-1	State Bldg Constr-State	9,895,000			9,895,000
	Total	9,895,000	0	0	9,895,000
Future Fiscal Periods					
		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000445

SubProject Title: Puyallup Watershed Floodplains for the Future

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Report Number: CBS002

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Project Number: 40000389

Project Title: 2021-23 Floodplains by Design

SubProjects

SubProject Number: 40000445

SubProject Title: Puyallup Watershed Floodplains for the Future

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 5

Project Summary

In Washington, the costs of flooding exceed 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 most at risk. In the past, solutions to flooding problems were often out of sync with other ecosystem protection or restoration activities. Floodplains by Design is a floodplain management program that uses an integrated approach to managing our state's flood-prone areas. Floodplains by Design combines flood-hazard reduction actions with salmon recovery, habitat restoration, and other community benefits. The program is a public-private partnership between Ecology, The Nature Conservancy, and the Puget Sound Partnership. Related to Puget Sound Action Agenda Implementation. (State Building Construction Account)

Project Description

This project will restore 2.5 miles of natural riverine processes, re-connect 37 acres of floodplain, and preserve up to 350 acres of farmland throughout the Puyallup Watershed.

Activities include completing 6 designs for future ecosystem recovery, research of landscape watershed processes and climate impacts that will build towards future projects.

This funding will advance components of seven in-progress, multi-year projects that, when completed in the next 20 years, are projected to restore 10-15 miles of natural riverine processes and reconnect 700+ acres of floodplain.

Location

City: Puyallup

County: Pierce

Legislative District: 025

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	Expenditures			2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	10,156,000				10,156,000
	Total	10,156,000	0	0	0	10,156,000

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Project Number: 40000389

Project Title: 2021-23 Floodplains by Design

SubProjects

SubProject Number: 40000445

SubProject Title: Puyallup Watershed Floodplains for the Future

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000446

SubProject Title: Mill Creek Floodplain Improvements

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 5

Project Summary

In Washington, the costs of flooding exceed 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 most at risk. In the past, solutions to flooding problems were often out of sync with other ecosystem protection or restoration activities. Floodplains by Design is a floodplain management program that uses an integrated approach to managing our state's flood-prone areas. Floodplains by Design combines flood-hazard reduction actions with salmon recovery, habitat restoration, and other community benefits. The program is a public-private partnership between Ecology, The Nature Conservancy, and the Puget Sound Partnership. Related to Puget Sound Action Agenda Implementation. (State Building Construction Account)

Project Description

The project will implement the first phase of a three-phased approach to floodplain improvements on Mill Creek. It will include: flood and hydraulic modeling; topographic surveys; riparian assessments; landowner outreach; permitting, design, and installation of large woody debris structures; and, riparian restoration. The project will reduce flood hazards by reducing stream velocity, increase storage for high flows, lessen the impact on county roads, reduce bank erosion, and inform landowners of the importance of functional floodplains in the Mill Creek, Walla Walla watershed.

Location

City: Walla Walla

County: Walla Walla

Legislative District: 016

Project Type

Grants

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Project Number: 40000389

Project Title: 2021-23 Floodplains by Design

SubProjects

SubProject Number: 40000446

SubProject Title: Mill Creek Floodplain Improvements

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	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
057-1	State Bldg Constr-State	711,000			711,000
	Total	711,000	0	0	711,000
Future Fiscal Periods					
		<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000447

SubProject Title: Colville River Floodplain Improvement

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Project Number: 40000389

Project Title: 2021-23 Floodplains by Design

SubProjects

SubProject Number: 40000447

SubProject Title: Colville River Floodplain Improvement

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 5

Project Summary

In Washington, the costs of flooding exceed 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 most at risk. In the past, solutions to flooding problems were often out of sync with other ecosystem protection or restoration activities. Floodplains by Design is a floodplain management program that uses an integrated approach to managing our state's flood-prone areas. Floodplains by Design combines flood-hazard reduction actions with salmon recovery, habitat restoration, and other community benefits. The program is a public-private partnership between Ecology, The Nature Conservancy, and the Puget Sound Partnership. Related to Puget Sound Action Agenda Implementation. (State Building Construction Account)

Project Description

The project will create a Colville River reach-scale, multi-benefit floodplain improvements action plan with a Stakeholder Workgroup to identify floodplain projects. It will complete the final design and permitting for Phase 1 and feasibility for Phase 2 of the Colville River Floodplain Pilot Project. The County will facilitate pre-feasibility work for selected projects to assist the Workgroup. The project will also create a WRIA 59 website and develop maps and supporting databases to organize future integrated floodplain work.

Location

City: Colville

County: Stevens

Legislative District: 007

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	Expenditures			2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	341,000				341,000
	Total	341,000	0	0	0	341,000

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Project Number: 40000389

Project Title: 2021-23 Floodplains by Design

SubProjects

SubProject Number: 40000447

SubProject Title: Colville River Floodplain Improvement

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
Total		0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000448

SubProject Title: Downey Farmstead Restoration

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 5

Project Summary

In Washington, the costs of flooding exceed 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 most at risk. In the past, solutions to flooding problems were often out of sync with other ecosystem protection or restoration activities. Floodplains by Design is a floodplain management program that uses an integrated approach to managing our state's flood-prone areas. Floodplains by Design combines flood-hazard reduction actions with salmon recovery, habitat restoration, and other community benefits. The program is a public-private partnership between Ecology, The Nature Conservancy, and the Puget Sound Partnership. Related to Puget Sound Action Agenda Implementation. (State Building Construction Account)

Project Description

The project will continue construction of the Downey Farmstead Restoration Project in the Green River. It will excavate material from the river channels, install salmonid habitat structures, and install native plants for Chinook Salmon refuge and rearing habitat near the Farmstead.

Location

City: Kent

County: King

Legislative District: 033

Project Type

Grants

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Project Number: 40000389

Project Title: 2021-23 Floodplains by Design

SubProjects

SubProject Number: 40000448

SubProject Title: Downey Farmstead Restoration

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	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
057-1	State Bldg Constr-State	3,327,000			3,327,000
	Total	3,327,000	0	0	3,327,000
Future Fiscal Periods					
		<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000449

SubProject Title: The Nooksack River: Floodplains That Work – Phase 2

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Project Number: 40000389

Project Title: 2021-23 Floodplains by Design

SubProjects

SubProject Number: 40000449

SubProject Title: The Nooksack River: Floodplains That Work – Phase 2

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 5

Project Summary

In Washington, the costs of flooding exceed 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 most at risk. In the past, solutions to flooding problems were often out of sync with other ecosystem protection or restoration activities. Floodplains by Design is a floodplain management program that uses an integrated approach to managing our state's flood-prone areas. Floodplains by Design combines flood-hazard reduction actions with salmon recovery, habitat restoration, and other community benefits. The program is a public-private partnership between Ecology, The Nature Conservancy, and the Puget Sound Partnership. Related to Puget Sound Action Agenda Implementation. (State Building Construction Account)

Project Description

The project will provide 100-year flood protection by building on previous collaborative efforts to implement integrated floodplain management throughout the Nooksack Watershed. Activities include: constructing City of Ferndale Treatment Plant levee improvements; constructing two berms along Jones Creek to reduce debris flow risk to the Town of Acme; constructing engineered log jams; restoring fish passage by removing an existing levee, and installing a new setback levee; completing design and permitting, and acquiring easements and property for future flood risk reduction, floodplain reconnection, and habitat restoration; and continue building farmer support and tribal capacity for integrated floodplain management in the Nooksack Watershed.

Location

City: Bellingham

County: Whatcom

Legislative District: 040

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	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Reappropriations
057-1	State Bldg Constr-State	6,515,000			6,515,000
	Total	6,515,000	0	0	6,515,000

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Project Number: 40000389

Project Title: 2021-23 Floodplains by Design

SubProjects

SubProject Number: 40000449

SubProject Title: The Nooksack River: Floodplains That Work – Phase 2

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
Total		0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000450

SubProject Title: Community Floodplain Solutions

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 5

Project Summary

In Washington, the costs of flooding exceed 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 most at risk. In the past, solutions to flooding problems were often out of sync with other ecosystem protection or restoration activities. Floodplains by Design is a floodplain management program that uses an integrated approach to managing our state's flood-prone areas. Floodplains by Design combines flood-hazard reduction actions with salmon recovery, habitat restoration, and other community benefits. The program is a public-private partnership between Ecology, The Nature Conservancy, and the Puget Sound Partnership. Related to Puget Sound Action Agenda Implementation. (State Building Construction Account)

Project Description

The project will advance implementation of integrated floodplain management in the Lower Skykomish River of the Snohomish Watershed. Snohomish County will use funds for: property acquisitions to create integrated opportunities; farmland conservation; implementation of agricultural viability and floodway projects; and design of large-scale integrated floodplain projects.

Location

City: Snohomish

County: Snohomish

Legislative District: 044

Project Type

Grants

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Project Number: 40000389

Project Title: 2021-23 Floodplains by Design

SubProjects

SubProject Number: 40000450

SubProject Title: Community Floodplain Solutions

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	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
057-1	State Bldg Constr-State	8,829,000			8,829,000
	Total	8,829,000	0	0	8,829,000
Future Fiscal Periods					
		<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000451

SubProject Title: Lower Big Quilcene River and Estuary Restoration

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Report Number: CBS002

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Project Number: 40000389

Project Title: 2021-23 Floodplains by Design

SubProjects

SubProject Number: 40000451

SubProject Title: Lower Big Quilcene River and Estuary Restoration

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 5

Project Summary

In Washington, the costs of flooding exceed 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 most at risk. In the past, solutions to flooding problems were often out of sync with other ecosystem protection or restoration activities. Floodplains by Design is a floodplain management program that uses an integrated approach to managing our state's flood-prone areas. Floodplains by Design combines flood-hazard reduction actions with salmon recovery, habitat restoration, and other community benefits. The program is a public-private partnership between Ecology, The Nature Conservancy, and the Puget Sound Partnership. Related to Puget Sound Action Agenda Implementation. (State Building Construction Account)

Project Description

The Hood Canal Salmon Enhancement Group will implement integrated floodplain protection and restoration in the Lower Mile and Moon Valley Reach in the lower three miles of the Big Quilcene River. The project consists of: property acquisition; design, permitting, construction; pre-construction shellfish monitoring surveys; and salt water well installation. This project will provide multiple benefits including flood risk reduction, improved salmon and shellfish habitat, enhanced water quality, recreational access, educational opportunities, and economic vitality in the community.

Location

City: Unincorporated

County: Jefferson

Legislative District: 024

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	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
057-1	State Bldg Constr-State	6,448,000			6,448,000
	Total	6,448,000	0	0	6,448,000

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Project Number: 40000389

Project Title: 2021-23 Floodplains by Design

SubProjects

SubProject Number: 40000451

SubProject Title: Lower Big Quilcene River and Estuary Restoration

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000452

SubProject Title: Pacific Right Bank Flood Protection

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 5

Project Summary

In Washington, the costs of flooding exceed 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 most at risk. In the past, solutions to flooding problems were often out of sync with other ecosystem protection or restoration activities. Floodplains by Design is a floodplain management program that uses an integrated approach to managing our state's flood-prone areas. Floodplains by Design combines flood-hazard reduction actions with salmon recovery, habitat restoration, and other community benefits. The program is a public-private partnership between Ecology, The Nature Conservancy, and the Puget Sound Partnership. Related to Puget Sound Action Agenda Implementation. (State Building Construction Account)

Project Description

The project will complete the preliminary and final design work to reduce flood risks to the City of Pacific, cleanup and contain a former dumpsite, and enhance aquatic and riparian habitats in the Lower White River. Once the design is complete, the County expects to fund subsequent construction activities, including: removing failing revetments; replacing temporary flood barriers with permanent flood protection structures; constructing a permanent pump station in Government Canal; and completing riparian restoration. Habitat enhancement will help shade off-channel aquatic habitat and provide cover and nutrient inputs, as well as placement of large wood to create floodplain habitat complexity and to promote future natural wood recruitment.

Location

City: Pacific

County: King

Legislative District: 030

Project Type

Grants

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Project Number: 40000389

Project Title: 2021-23 Floodplains by Design

SubProjects

SubProject Number: 40000452

SubProject Title: Pacific Right Bank Flood Protection

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	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
057-1	State Bldg Constr-State	2,062,000			2,062,000
	Total	2,062,000	0	0	2,062,000
Future Fiscal Periods					
		<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000453

SubProject Title: Naches-Cowiche Flood Risk Reduction Floodplain Restoration Ph 2

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Project Number: 40000389

Project Title: 2021-23 Floodplains by Design

SubProjects

SubProject Number: 40000453

SubProject Title: Naches-Cowiche Flood Risk Reduction Floodplain Restoration Ph 2

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 5

Project Summary

In Washington, the costs of flooding exceed 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 most at risk. In the past, solutions to flooding problems were often out of sync with other ecosystem protection or restoration activities. Floodplains by Design is a floodplain management program that uses an integrated approach to managing our state's flood-prone areas. Floodplains by Design combines flood-hazard reduction actions with salmon recovery, habitat restoration, and other community benefits. The program is a public-private partnership between Ecology, The Nature Conservancy, and the Puget Sound Partnership. Related to Puget Sound Action Agenda Implementation. (State Building Construction Account)

Project Description

The project will include the following activities: remove a levee on Cowiche Creek; install flood protection for the Naches-Cowiche irrigation canal; relocate power lines out of the Naches River floodway; construct a Cowiche Creek side channel and create floodplain improvements; and complete final design and permitting for the US 12 bridge over Cowiche Creek. The project will help restore the floodplain and implement priority flood protection actions near the Naches River and Cowiche Creek confluence.

Location

City: Naches

County: Yakima

Legislative District: 014

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	Expenditures			2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	1,733,000				1,733,000
	Total	1,733,000	0	0	0	1,733,000

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Project Number: 40000389

Project Title: 2021-23 Floodplains by Design

SubProjects

SubProject Number: 40000453

SubProject Title: Naches-Cowiche Flood Risk Reduction Floodplain Restoration Ph 2

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000454

SubProject Title: Skokomish Watershed Ecosystem and Floodplain Restoration - Ph 3

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 5

Project Summary

In Washington, the costs of flooding exceed 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 most at risk. In the past, solutions to flooding problems were often out of sync with other ecosystem protection or restoration activities. Floodplains by Design is a floodplain management program that uses an integrated approach to managing our state's flood-prone areas. Floodplains by Design combines flood-hazard reduction actions with salmon recovery, habitat restoration, and other community benefits. The program is a public-private partnership between Ecology, The Nature Conservancy, and the Puget Sound Partnership. Related to Puget Sound Action Agenda Implementation. (State Building Construction Account)

Project Description

The project to further advance watershed scale restoration efforts in the Skokomish Watershed will complete the following activities: property acquisition; construct new side channels; install engineered log jams to improve in-stream habitat; restore local sediment processes, and improve fish passage; make road improvements to the most frequently flooded section of the Skokomish Valley Road; relocate structures out of the floodway; and complete riparian restoration. The project will advance comprehensive watershed restoration actions by partners to prevent flood hazards, restore critical ecosystem functions, improve health and safety, improve agricultural and economic viability, and help multiple Environmental Species Act-listed salmonid species recover in the Skokomish Watershed.

Location

City: Unincorporated

County: Mason

Legislative District: 035

Project Type

Grants

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Project Number: 40000389

Project Title: 2021-23 Floodplains by Design

SubProjects

SubProject Number: 40000454

SubProject Title: Skokomish Watershed Ecosystem and Floodplain Restoration - Ph 3

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	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
057-1	State Bldg Constr-State	6,538,000			6,538,000
	Total	6,538,000	0	0	6,538,000
Future Fiscal Periods					
		<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000455

SubProject Title: Stillaguamish Watershed Integrated Floodplain Management - Ph 1

OFM

461 - Department of Ecology

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 10/23/2020 9:14AM

Project Number: 40000389

Project Title: 2021-23 Floodplains by Design

SubProjects

SubProject Number: 40000455

SubProject Title: Stillaguamish Watershed Integrated Floodplain Management - Ph 1

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 5

Project Summary

In Washington, the costs of flooding exceed 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 most at risk. In the past, solutions to flooding problems were often out of sync with other ecosystem protection or restoration activities. Floodplains by Design is a floodplain management program that uses an integrated approach to managing our state's flood-prone areas. Floodplains by Design combines flood-hazard reduction actions with salmon recovery, habitat restoration, and other community benefits. The program is a public-private partnership between Ecology, The Nature Conservancy, and the Puget Sound Partnership. Related to Puget Sound Action Agenda Implementation. (State Building Construction Account)

Project Description

The Stillaguamish Tribe of Indians proposes to implement a suite of actions as part of an ongoing effort with stakeholders. The project will include: stakeholder coordination; comprehensive agricultural planning; drainage, infrastructure, and flood protection improvements; drought resiliency best management practices; a saltwater intrusion study; agricultural easement and floodplain property acquisitions; floodplain restoration; and stormwater separation. The project will help reduce flood risks, improve water quality, protect and restore high priority floodplain and estuary habitat for salmon recovery, and protect and enhance agricultural productivity and viability within the Stillaguamish Watershed.

Location

City: Stanwood

County: Snohomish

Legislative District: 010

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	Expenditures			2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	2,311,000				2,311,000
	Total	2,311,000	0	0	0	2,311,000

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Project Number: 40000389

Project Title: 2021-23 Floodplains by Design

SubProjects

SubProject Number: 40000455

SubProject Title: Stillaguamish Watershed Integrated Floodplain Management - Ph 1

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000456

SubProject Title: 2021-23 Floodplains by Design Ten Year Financial Plan

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 5

Project Summary

In Washington, the costs of flooding exceed 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 most at risk. In the past, solutions to flooding problems were often out of sync with other ecosystem protection or restoration activities. Floodplains by Design is a floodplain management program that uses an integrated approach to managing our state's flood-prone areas. Floodplains by Design combines flood-hazard reduction actions with salmon recovery, habitat restoration, and other community benefits. The program is a public-private partnership between Ecology, The Nature Conservancy, and the Puget Sound Partnership. Related to Puget Sound Action Agenda Implementation. (State Building Construction Account)

Project Description

Ten year financial plan

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Grants

OFM

461 - Department of Ecology

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 10/23/2020 9:14AM

Project Number: 40000389

Project Title: 2021-23 Floodplains by Design

SubProjects

SubProject Number: 40000456

SubProject Title: 2021-23 Floodplains by Design Ten Year Financial Plan

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriates	New Appropriates
057-1	State Bldg Constr-State	280,000,000				
	Total	280,000,000	0	0	0	0

Future Fiscal Periods

		2023-25	2025-27	2027-29	2029-31
		70,000,000	70,000,000	70,000,000	70,000,000
057-1	State Bldg Constr-State	70,000,000	70,000,000	70,000,000	70,000,000
	Total	70,000,000	70,000,000	70,000,000	70,000,000

Operating Impacts

No Operating Impact



Ecology 2021-23 Biennium Budget Project List
SEA Program
Floodplains by Design
 October 2020

Purpose: This project list represents the projects proposed for State Building Construction Account funding in Ecology's Capital Project Request - 40000389 2021-23 Floodplains by Design. 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 \$70 million from the State Building Construction Account to continue the flood hazard reduction efforts through the capital Floodplains by Design grant program. Some of the projects are using the Coordinated Strategic Investment approach, whereby funding is provided by multiple funding sources to leverage our investments. The Floodplains by Design program coordinates with the Puget Sound Acquisition and Restoration (PSAR), Estuary and Salmon Restoration Program (ESRP), Salmon Recovery Funding Board (SRFB), and Ecology's Water Quality Financial Assistance grant 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 October, 2019. Due in January 2020, the pre-applications were screened by Ecology, The Nature Conservancy (TNC), and Puget Sound Partnership (PSP) staff. Qualifying projects were invited to submit a full application by July 30, 2020. Full applications were scored by a 13-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, TNC, and staff. Projects were scored according to their technical elements. Scoring is not the only factor considered during ranking.

The scored projects were ranked by Ecology, TNC and PSP staff in accordance with Ecology's Floodplains by Design 2021-23 Funding Guidelines (Pub. # 19-06-011). 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 Coordinated Strategic Investment consideration, including the PSAR, ESRP, the SRFB, and Ecology's Water Quality Financial Assistance grant programs. By aligning the various salmon and water grant programs, we hope to collectively optimize leveraging of state and federal dollars for the benefit of local floodplain management efforts.

Rank	Recipient	Project Title	Cost	Project Description	Site Address	City	County	Leg. District	Lat.	Long.
1	The Nature Conservancy	Program Administrative Support	\$ 824,742	The Nature Conservancy, as the primary partner in the public-private Floodplains by Design partnership, will provide critical program support including statewide technical assistance, technical studies, and facilitation of public-private-tribal advisory groups related to implementing the proposed capital projects.	Statewide	Statewide	Statewide	Statewide	Statewide	Statewide
2	King County - Water and Land Resources Division	Restoring Snoqualmie River Floodplain Processes	\$ 10,309,278	Project activities will include: removal of a levee; removal and installation of a new revetment; construction of a new berm; excavation of a side channel; construction of a high priority agricultural drainage; weed control; and, installation of native plants and weed control along the Snoqualmie River. The project will reconnect 145 acres of Snoqualmie River floodplain in one of the most important salmon spawning and rearing reaches in the Snohomish River Basin.	Statewide	Snoqualmie	King, Snohomish	1, 5, 10, 11, 12, 13, 21, 30, 31, 32, 33, 34, 36, 37, 38, 39, 41, 43, 44, 45, 46, 47, 48	47.62	-121.82
3	Jamestown S'Klallam Tribe	Dungeness River Floodplains and Farmlands	\$ 9,894,899	The project will reduce flood hazards, restore salmon and shellfish habitat, increase recreational opportunities, and conserve farmlands in the Dungeness River. The Tribe will use the funds for: conservation easement and property acquisitions; design, permitting, and construction of a U.S. Army Corps of Engineers' dike setback; relocating structures and restoring the Dungeness River Floodplain; and restoration of 60 acres of the Rivers Edge Floodplain.	Statewide	Dungeness	Clallam	24	48.09	-123.13
4	Pierce County - Public Works and Utility Department	Puyallup Watershed Floodplains for the Future	\$ 10,155,670	This project will restore 2.5 miles of natural riverine processes, re-connect 37 acres of floodplain, and preserve up to 350 acres of farmland throughout the Puyallup Watershed. Activities include completing 6 designs for future ecosystem recovery, research of landscape watershed processes and climate impacts that will build towards future projects. This funding will advance components of seven in-progress, multi-year projects that, when completed in the next 20 years, are projected to restore 10-15 miles of natural riverine processes and reconnect 700+ acres of floodplain.	Statewide	Puyallup	Pierce	2, 25, 26, 27, 28, 29, 30, 31	47.06	-121.91

Rank	Recipient	Project Title	Cost	Project Description	Site Address	City	County	Leg. District	Lat.	Long.
5	Walla Walla County Conservation District	Mill Creek Floodplain Improvements	\$ 711,340	The project will implement the first phase of a three-phased approach to floodplain improvements on Mill Creek. It will include: flood and hydraulic modeling; topographic surveys; riparian assessments; landowner outreach; permitting, design, and installation of large woody debris structures; and, riparian restoration. The project will reduce flood hazards by reducing stream velocity, increase storage for high flows, lessen the impact on county roads, reduce bank erosion, and inform landowners of the importance of functional floodplains in the Mill Creek, Walla Walla watershed.	Statewide	Walla Walla	Walla Walla	16	46.08	-118.22
6	Stevens County - Land Services Department	Colville River Floodplain Improvement	\$ 341,031	The project will create a Colville River reach-scale, multi-benefit floodplain improvements action plan with a Stakeholder Workgroup to identify floodplain projects. It will complete the final design and permitting for Phase 1 and feasibility for Phase 2 of the Colville River Floodplain Pilot Project. The County will facilitate pre-feasibility work for selected projects to assist the Workgroup. The project will also create a WRIA 59 website and develop maps and supporting databases to organize future integrated floodplain work.	Statewide	Colville	Stevens	7	48.39	-117.78
7	Kent City of - Public Works	Downey Farmstead Restoration	\$ 3,326,680	The project will continue construction of the Downey Farmstead Restoration Project in the Green River. It will excavate material from the river channels, install salmonid habitat structures, and install native plants for Chinook Salmon refuge and rearing habitat near the Farmstead.	Statewide	Kent	King	33	47.38	-122.26
8	Whatcom County - Public Works Department	The Nooksack River: Floodplains That Work – Phase 2	\$ 6,515,464	The project will provide 100-year flood protection by building on previous collaborative efforts to implement integrated floodplain management throughout the Nooksack Watershed. Activities include: constructing City of Ferndale Treatment Plant levee improvements; constructing two berms along Jones Creek to reduce debris flow risk to the Town of Acme; constructing engineered log jams; restoring fish passage by removing an existing levee, and installing a new setback levee; completing design and permitting, and acquiring easements and property for future flood risk reduction, floodplain reconnection, and habitat restoration; and continue building farmer support and tribal capacity for integrated floodplain management in the Nooksack Watershed.	Statewide	Bellingham	Whatcom	40, 42	48.72	-122.19
9	Snohomish County - Public Works Department	Community Floodplain Solutions	\$ 8,829,047	The project will advance implementation of integrated floodplain management in the Lower Skykomish River of the Snohomish Watershed. Snohomish County will use funds for: property acquisitions to create integrated opportunities; farmland conservation; implementation of agricultural viability and floodway projects; and design of large-scale integrated floodplain projects.	Statewide	Snohomish	Snohomish	1, 38, 39, 44	47.84	-122.06
10	Hood Canal Salmon Enhancement Group	Lower Big Quilcene River and Estuary Restoration	\$ 6,448,228	The Hood Canal Salmon Enhancement Group will implement integrated floodplain protection and restoration in the Lower Mile and Moon Valley Reach in the lower three miles of the Big Quilcene River. The project consists of: property acquisition; design, permitting, construction; pre-construction shellfish monitoring surveys; and salt water well installation. This project will provide multiple benefits including flood risk reduction, improved salmon and shellfish habitat, enhanced water quality, recreational access, educational opportunities, and economic vitality in the community.	Statewide	Quilcene	Jefferson	24	47.81	-122.90
11	King County - Water and Land Resources Division	Pacific Right Bank Flood Protection	\$ 2,061,856	The project will complete the preliminary and final design work to reduce flood risks to the City of Pacific, cleanup and contain a former dumpsite, and enhance aquatic and riparian habitats in the Lower White River. Once the design is complete, the County expects to fund subsequent construction activities, including: removing failing revetments; replacing temporary flood barriers with permanent flood protection structures; constructing a permanent pump station in Government Canal; and completing riparian restoration. Habitat enhancement will help shade off-channel aquatic habitat and provide cover and nutrient inputs, as well as placement of large wood to create floodplain habitat complexity and to promote future natural wood recruitment.	Statewide	Pacific	King	30	47.26	-122.24
12	Yakima County Public Services Department	Naches-Cowiche Flood Risk Reduction and Floodplain Restoration - Phase 2	\$ 1,732,990	The project will include the following activities: remove a levee on Cowiche Creek; install flood protection for the Naches-Cowiche irrigation canal; relocate power lines out of the Naches River floodway; construct a Cowiche Creek side channel and create floodplain improvements; and complete final design and permitting for the US 12 bridge over Cowiche Creek. The project will help restore the floodplain and implement priority flood protection actions near the Naches River and Cowiche Creek confluence.	Statewide	Naches	Yakima	14, 15	46.53	-120.78

Rank	Recipient	Project Title	Cost	Project Description	Site Address	City	County	Leg. District	Lat.	Long.
13	Mason Conservation District	Skokomish Watershed Ecosystem and Floodplain Restoration - Phase 3	\$ 6,538,253	The project to further advance watershed scale restoration efforts in the Skokomish Watershed will complete the following activities: property acquisition; construct new side channels; install engineered log jams to improve in-stream habitat; restore local sediment processes, and improve fish passage; make road improvements to the most frequently flooded section of the Skokomish Valley Road; relocate structures out of the floodway; and complete riparian restoration. The project will advance comprehensive watershed restoration actions by partners to prevent flood hazards, restore critical ecosystem functions, improve health and safety, improve agricultural and economic viability, and help multiple Environmental Species Act-listed salmonid species recover in the Skokomish Watershed.	Statewide	Potlatch	Mason	35	47.33	-123.20
14	Stillaguamish Tribe of Indians	Stillaguamish Watershed Integrated Floodplain Management - Phase 1	\$ 2,310,522	The Stillaguamish Tribe of Indians proposes to implement a suite of actions as part of an ongoing effort with stakeholders. The project will include: stakeholder coordination; comprehensive agricultural planning; drainage, infrastructure, and flood protection improvements; drought resiliency best management practices; a saltwater intrusion study; agricultural easement and floodplain property acquisitions; floodplain restoration; and stormwater separation. The project will help reduce flood risks, improve water quality, protect and restore high priority floodplain and estuary habitat for salmon recovery, and protect and enhance agricultural productivity and viability within the Stillaguamish Watershed.	Statewide	Stanwood	Snohomish	10, 39	48.23	-121.91
TOTAL			\$ 70,000,000							

NOTES:

1. Ecology staff costs (3% of project costs) are included in the cost of each project.
2. Where possible, older Floodplains by Design appropriations will be spent first.
3. This list is a plan based on the best information available to Ecology. The plan may change as more information becomes available.
4. If a project is withdrawn or becomes unviable, available funding would be offered to the next project on the final ranked Floodplains by Design project list. There are eight additional rated and ranked projects, totaling \$15.7 million, that were below the requested \$70 million funding line.

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Capital Project Request

2021-23 Biennium

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Report Number: CBS002

Date Run: 9/3/2020 11:20AM

Project Number: 40000336

Project Title: 2021-23 Stormwater Financial Assistance Program

Description

Starting Fiscal Year: 2022

Project Class: Grant - Pass Through

Agency Priority: 6

Project Summary

Ecology's Stormwater Financial Assistance Program (SFAP) provides grants to public entities to finance stormwater retrofit projects that treat polluted stormwater in priority areas throughout the state. SFAP 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 \$52.7 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. Related to the Puget Sound Action Agenda implementation. (Model Toxics Control Stormwater Account)

Project Description**What is the proposed project?**

Ecology requests \$52.7 million for stormwater project implementation grants in the 2021-23 Biennium. This investment leverages an additional 25 percent 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 SFAP will provide grant funding for stormwater projects through the Water Quality Program's (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 2021 and January 2022 that provide information on each of the high-priority statewide stormwater improvement projects selected for funding.

Projects that are eligible for funding include the planning and installation of capital projects and source control activity projects. Example projects may include, but are not limited to the following:

- Construction of 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 assist jurisdictions in preparing for construction of 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 cross program boundaries (e.g., toxics cleanup sites combined with water quality improvement projects) and may use tools such as 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.

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. But

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Project Number: 40000336

Project Title: 2021-23 Stormwater Financial Assistance Program

Description

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 six 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, 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 for managing urban stormwater, reducing pollutants and helping to resolve flooding issues through green infrastructure improvements.

This request will also stimulate the state's economy by creating up to 165 jobs during the next two 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 assist local communities to 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 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 Stakeholder 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; Association of Washington Cities; Washington Public Ports Association; and the

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Project Title: 2021-23 Stormwater Financial Assistance Program

Description

Washington Environmental Council. These stakeholder groups helped evaluate options and alternatives to 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 Water Quality Combined Financial Assistance Program and annual funding cycle process. This request will provide the resources needed to continue Ecology's ongoing, long-term, statewide Stormwater Financial.

Assistance Program 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 stakeholders 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.

What is the agency's proposed funding strategy for the project?

The SFAP has historically been funded with both Model Toxics Control Act (MTCA) funding and State Building Construction Account (SBCA) bond funding, and is matched up to 25 percent by local governments. The Hazardous Substance Tax (HST) is the primary revenue source for MTCA, and taxes are collected on the first possession of certain hazardous substances. Petroleum makes up over 90 percent 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 (DOR) will use the IPD for non-residential structures published each March by the U.S. Department of Commerce, Bureau of Economic Analysis (BEA), for the prior calendar year to set the new per-barrel rate for the upcoming fiscal year.

The HST revenue from liquid petroleum products deposited into the three MTCA accounts:

- 60 percent into the MTCA-Operating Account.
- 25 percent into the MTCA-Capital Account.
- 15 percent into the MTCA-Stormwater Account.

This request will use the projected fund balance in the MTCA-Stormwater Account for the 2021-23 Biennium, based on the June 2020 HST revenue forecast and available fund balance at the time of Ecology's 2021-23 Capital Budget Request.

Are FTEs required to support this project?

Ecology requires a total of 19.02 FTEs to support ongoing management of 246 active grants from prior biennia SFAP funding and an estimated 60-70 new SFAP grants in 2021-23. Please note, these FTEs support both this new appropriation and other related reappropriation projects under this capital program. SFAP FTEs that manage, oversee, and administer the expanded SFAP program and projects include:

- Stormwater experts that manage the Stormwater Financial Assistance Program to ensure the highest priority projects will be

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Capital Project Request

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Project Number: 40000336

Project Title: 2021-23 Stormwater Financial Assistance Program

Description

funded.

- Engineers that review project proposals and design documents to ensure appropriate technology application and outcomes.
- Project managers that provide direct project oversight, technical assistance, and outcomes management.
- Financial managers that oversee agreement development, funding conditions, and quality assurance and control of reimbursements that assure fiscal accountability. These staff also perform tracking and reporting.

How does the project support the agency and statewide results?

This request is essential to implementing Ecology's strategic plan because constructing stormwater retrofit projects address all five of Ecology's strategic plan goals:

- Goal 1 - Support and Engage our Communities, Customers, and Employees: Through Ecology's integrated Water Quality Financial Assistance Program, which continues to provide one-application and rating and ranking process to award funding from four separate funding sources, including SFAP.
- Goal 2 - Reduce and Prepare for Climate Impacts: By funding stormwater facility projects that address climate resiliency through improving groundwater recharge, reducing energy use by reducing stormwater inflow to wastewater treatment facilities, and reducing flood risks.
- Goal 3 - Prevent and Reduce Toxic Threats and Pollution: By providing financial assistance to fund stormwater capital improvement projects so that contaminated stormwater runoff from impervious surfaces is reduced from entering Washington waters.
- Goal 4 - Protect and Manage our State's Waters: By funding stormwater retrofit projects that integrate a watershed approach to stormwater management and abatement of polluted stormwater runoff so that toxic threats from contaminated stormwater runoff from impervious surfaces is reduced.
- Goal 5 - Protect and Restore Puget Sound: On average, about 60 percent of the SFAP funds are awarded to projects in the Puget Sound Basin. Projects funded lead to direct and indirect improvements to Puget Sound water quality through constructed stormwater pollution control infrastructure that goes above and beyond permit requirements.

This request provides essential support to several of the Governor's Results Washington Goals, including:

- Goal 2 - Prosperous Economy: By providing funding to assist local governments in constructing projects to protect water quality that will create jobs throughout the state during the planning and construction of the projects and will help to protect natural resource industries such as salmon fisheries and shellfish beds over the long term.
- Goal 3 - Sustainable Energy and Clean Environment: By implementing projects that address climate resiliency through better stormwater management, aquifer recharge, and reduced flood risk. SFAP project in the Puget Sound basin protect and restore water quality and restoration of a healthy estuary, supporting salmon and Southern Resident orca populations.
- Goal 4 - Healthy and Safe Communities: By funding projects that address the impacts of climate change and improving resiliency through support of long term multi-benefit solutions to impacts from stormwater pollution, by implementing sustainable practices in stormwater and green infrastructure construction. SFAP supports economic security by providing grant funding to communities to protect public health while keeping utility rates reasonable.
- Goal 5 - Efficient, Effective, and Accountable Government: By creating an efficient and streamlined approach for communities to apply for and access funding resources through an integrated water quality financial assistance program. SFAP is part of an integrated funding system that streamlines the application and award process for funding critical water quality projects. The system is reviewed and updated annually to make efficiency improvements based on internal and external stakeholder input.

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Project Number: 40000336

Project Title: 2021-23 Stormwater Financial Assistance Program

Description

This request directly supports the 2018-2022 Puget Sound Action Agenda Implementation Plan through the following Ongoing Program: Water Quality - Provide Financial Assistance. Per the Implementation Plan, "The magnitude of work to protect and recover Puget Sound that occurs through ongoing programs cannot be overstated—ongoing programs are recognized as the critical foundation for Puget Sound recovery."

This request also supports the following 2018 Regional Priority Approaches and Sub-strategy:

- CHIN2.5 - Address and manage water quality parameters, including: excess nutrient loading (such as nitrogen) for all sources, and with specific attention to pathways associated with wastewater treatment outfalls; elevated temperatures; sediment; and Toxics.
- CHIN2.6 - Incentivize and accelerate stormwater management for new and existing development.
- CHIN7.1 - Protect and/or restore critical habitat for salmon populations.
- TIF1 - Enhance pollutant reduction programs and corrective measures, and increase authorities and programs to prevent toxic chemicals from entering Puget Sound.
- TIF2 - Address stormwater treatment.
- LDC 3 - Implement integrated strategies and policies to protect and restore ecologically important lands.
- BIB1 - Increase local capacity to manage stormwater programs.
- BIB2 - Provide education and incentives for legacy retrofits.
- BIB5 - Conduct watershed-scale planning to protect and restore water quality.
- FUND 1.2 - Explore and utilize new sources of funding, and enhance existing sources of funding.
- ORCA1 - Implement the Governor's Southern Resident Orca Task Force recommendations, as well as the Chinook salmon and Toxics in Fish Implementation Strategies.
- Sub-strategy 10.3 - Fix Problems Caused by Existing Development by providing funding to cities and counties to retrofit existing development through the Stormwater Financial Assistance Program's competitive grant program.

This request also supports efforts under the Governors' Executive Order 18-02, Southern Resident Orca Recovery and Task Force, by funding projects that reduce toxic pollutant migration to Puget Sound so that Southern Resident orca exposure to toxics is reduced. The request is tied directly to 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?

Solving stormwater pollution problems requires the efforts of, and collaboration with, local, state, federal, and tribal governments. Supporting local governments in implementing stormwater projects will also support the efforts of the Puget Sound Partnership, the Department of Commerce, the Department of Natural Resources, the Department of Health, the Washington State Department of Transportation, the U.S. Environmental Protection Agency, and tribal water quality improvement programs.

Through its integrated program the Water Quality Program is coordinating and collaborating with most other agency programs through a variety of venues, including the Ecology Grants Group (EGG), Ecology Cultural Resources Workgroup (E-CREW) 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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Project Number: 40000336

Project Title: 2021-23 Stormwater Financial Assistance Program

Description

coordination and collaboration through its commitment to the Infrastructure Assistance Coordinating Council (IACC), Maximizing Resources workgroup, Small Communities Initiative (SCI), and the Sync Infrastructure System Improvement Team (Ecology, DOH, Commerce, and Public Works Board).

What is the impact on the state operating budget?

None.

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 70.105D.210

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
23R-1	MTC Stormw Account-State	332,700,000				52,700,000
	Total	332,700,000	0	0	0	52,700,000
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
23R-1	MTC Stormw Account-State	70,000,000	70,000,000	70,000,000	70,000,000	
	Total	70,000,000	70,000,000	70,000,000	70,000,000	

Operating Impacts

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Project Title: 2021-23 Stormwater Financial Assistance Program

Operating Impacts

No Operating Impact

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Project Number: 40000399

Project Title: 2021-23 Columbia River Water Supply Development Program

Description

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 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 the resources needed to make substantial progress in the 2021-23 Biennium. Specifically, these funds will provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water supply for pending water right applications; develop a 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. (State Building Construction Account, Columbia River Basin Water Supply Revenue Recovery Account)

Project Description

What is the proposed project?

Project Description**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 allows bond funds to be used for the following activities:

- 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.

Results through the 2019-21 Biennium

1. Odessa Groundwater Replacement Program

- Concluded final Water Service Contract negotiations with US Bureau of Reclamation (USBR) and East Columbia Basin Irrigation District for the last 70,000 acres of the 87,700 acres planned for replacement. This now finalizes the contract delivery component to achieve the 87,700 acres of groundwater replacement as directed in the EIS and Record of Decision.
- Completed all East Low Canal enlargement capital construction (siphons, radial gates, etc.) projects.
- Enclosed Lateral (EL – this is conveyance pipe) 47.5 Distribution System constructed and completed in July and replacement water will be available for 10,500 acres for the 2021 irrigation season.
- EL 22.1 Landowners group forms and development of 30% design for the distribution line is commencing.

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Description

2. Icicle Creek Integrated Water Resource Management Strategy

- Advanced 30% design on reconstruction of Eight Mile Dam
- Moved several projects forward to permitting and construction, including: Icicle Creek Boulder Field; Snow Creek Bridge replacement; City of Leavenworth fish screen replacement; and refining options for Cascade Orchard's point of diversion change.

3. Aquifer Storage and Recovery (ASR)

- Advanced several projects for the cities of Quincy, Othello, West Richland, and Pasco.

4. Tribal Settlements

- Concluded negotiations for additional 10-year timeframe for the Lake Roosevelt Incremental Releases Program with the Colville and Spokane Tribes.

5. Walla Walla 2050

- Initiated the Walla Walla 2050 Integrated Strategic Planning effort. See: <https://ecology.wa.gov/Water-Shorelines/Water-supply/Water-supply-projects-EW/Walla-Walla-2050> .
- Continued further investment in the Walla Walla River Bi-state Flow Study work (Phase 3).

6. Pasco Basin (508-14 WAC)

- Developed strategy with USBR to develop artificially stored groundwater in the Pasco Basin.
- Cost shared with USGS to define the area and approximation of water quantities available.
- Drafted Memorandum of Understanding currently under review by USBR.

7. WDFW Support Staffing

- Project planning and implementation in close coordination with staff of WDFW to ensure compliance with various OCR and YBIP projects.

8. Supported Multiple Studies

- Upper Columbia Salmon Recovery SNOW to FLOW study. This study considers how to maximize instream flow through the management of snowfall.
- Washington State Potato Commission groundwater study in collaboration with Lincoln County Conservation District in the upper Columbia Basin.
- Upper Columbia Untied Tribes Salmon re-introduction studies.

9. Switzler Off-Channel Reservoir

- Draft EIS concluded and published. OCR is currently responding to comments with contractor assistance. Currently, developing final draft.

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Description

10. Auvil Fruit Ranches

- Working with Aspect Consulting and Auvil Fruit Ranches in analyzing water conservation from shade cloth deployment.

2021-23 Projects (detailed project list attached)

Ecology will initiate and complete its fourth water supply and demand forecast in November 2021. The agency uses 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 2021-23 Biennium projects) for agriculture, municipalities, hydroelectric power, and instream flows are evaluated in this forecast.

Projects expected to be implemented or continued during the 2021-23 Biennium include:

- Odessa Groundwater Replacement Program (OGWRP) – including EL 85 gates, mitigation projects and bridge replacements.
- Icicle project implementation
- WDFW Support (general support, Odessa, Icicle, 508-14, Trout Lodge, Potholes Supplemental Feed Route).
- Walla Walla 2050 – includes EIS, Bi-State Flow Study, and USGS Groundwater. 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.
- Quad Cities ASR (City of West Richland/Pasco).
- Columbia Basin ASR, Columbia River Policy Advisory Group & Washington Association of Counties facilitation & Leg Report.
- Pasco Basin Water Supply (508-14).
- Switzler Storage EIS completion.
- Barkley, Feedroute.
- 2021 Supply and Demand Forecast.
- Continued water leases from Walla Walla and Lake Roosevelt.
- Pursuit of water right acquisitions.
- Multiple feasibility, design, and scoping new supply development in the Columbia Basin and/or supporting water supply projects coordinated through the West Coast Infrastructure Exchange.

The OCR's proposed project ranking includes criteria that consider: the amount of water supply made available and water saved for instream and out-of-stream uses; location of the project; fish benefits of the project; and the ability to measure and enforce water savings. The project list is a working draft subject to change based on local priorities, future legislative appropriations, feasibility assessment outcomes, and permit requirements.

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

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Project Title: 2021-23 Columbia River Water Supply Development Program

Description

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 right 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 in an attempt 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, while protecting and enhancing river flows for fish.

What are the specific benefits of this project?

This request will continue financing assessments and construction of new water projects and water conservation measures. These infrastructure investments will:

- Expand the available water supply.
- Allow new water rights to be issued.
- Enhance instream flows in the mainstem Columbia River and some of its tributaries.

The last five 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 Basin creates up to \$7.4 billion in crop revenue and 36,000 jobs in the potato industry alone. To date, over 466,000 acre-feet of water (345,000 out of stream and 121,000 instream) has been developed and is 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 development of 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; and
- Provide water for municipal permits while enhancing instream values by improving stream flows.

This request will also strengthen long-term strategic relationships with agriculture, industrial, municipal, and tribal communities in Eastern Washington.

This request will also provide economic benefits to the state by creating up to 128 jobs during the next two years based on estimates from the Office of Financial Management.

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. Availability of extensive capital funding was the critical factor to reaching agreement in the Legislature. If funds are not appropriated for the 2021-23 Biennium, new water for instream and out-of-stream uses – including municipal, agricultural, tribal communities, and fish and

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Description

wildlife – would not be available. Feasibility studies, other contract work currently in process, and new water supply projects would not be completed or started. Also, valuable progress made in the past ten years to build a working consensus between historically disparate 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, 170,000 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 ten years. 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 Office of Financial Management's 2002 Washington Input/Output model (<https://www.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 2021-23 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 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, which expands 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. Recent attempts to issue additional water rights have resulted in litigation, and Ecology is not sure how this may impact the Program going forward.

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 the Program 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 in a cooperative and balanced way. Projects funded through the Program will lead to additional economic activity in communities and allow state government to work in partnership with water stakeholders throughout the region.

What is the agency's proposed funding strategy for the project?

New appropriation funding is Ecology's preferred funding strategy to continue the Program projects and achieve further progress on delivering water for agriculture, municipalities, businesses, people, fish, and wildlife in the 2021-23 Biennium. Additional projects have been approved for funding and are in negotiation right now. Ecology will use 2021-23 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. But the \$200 million in bond authorization has been fully appropriated and obligated, so Ecology is requesting appropriation from the State Building Construction Account (SBCA).

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Description

Funding for this project includes \$15,000 to maintain and update the grant or loan applications in the agency systems.

Are FTEs required to support this project?

This project requires a total of 5.60 FTEs to provide project oversight and management, technical assistance, and stakeholder coordination to individual projects. This is the same staffing level as the 2019-21 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 implementing goals in Ecology's strategic plan:

- To Support and engage our communities, customers and employees.
- To Protect and manage our state's water because it helps meet economic and community needs for reliable water supplies in the Columbia River Basin, while protecting and enhancing river flows for fish.

These projects also support local communities, customers, and employees providing infrastructure at the local level to support improved water use efficiency and improve instream flows for local economic, recreational, and environmental benefit.

This request provides essential support to the Governor's priority for Economy and Agriculture to Protect and manage scarce resources: land, water, energy, labor, capital, and credit.

This request provides essential support to Governor's Results Washington Goal 3: Sustainable Energy and Clean Environment by:

- Increasing the amount of water instream so that fish and wildlife species have enough water to live and reproduce so that they can maintain healthy populations supported by higher water levels.
- Improving fish habitats so that the food chain is maintained so that fish can find food to eat, shading from trees and plants is improved so that the temperatures do not get too high, and spawning grounds are available with the right size of gravel, etc.

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 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 this 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.

What is the impact on the state operating budget?

None

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Project Number: 40000399

Project Title: 2021-23 Columbia River Water Supply Development Program

Description**Proviso**

N/A

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriates	New Appropriates
057-1	State Bldg Constr-State	192,500,000				38,500,000
296-1	Col River Bas Wtr Su-State	7,500,000				1,500,000
	Total	200,000,000	0	0	0	40,000,000

Future Fiscal Periods

		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State	38,500,000	38,500,000	38,500,000	38,500,000
296-1	Col River Bas Wtr Su-State	1,500,000	1,500,000	1,500,000	1,500,000
	Total	40,000,000	40,000,000	40,000,000	40,000,000

Operating Impacts

No Operating Impact

SubProjects

SubProject Number: 40000400

SubProject Title: Odessa - OGWRP (including EL 85 gates)

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Project Number: 40000399

Project Title: 2021-23 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000400

SubProject Title: Odessa - OGWRP (including EL 85 gates)

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 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 the resources needed to make substantial progress in the 2021-23 Biennium. Specifically, these funds will provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water supply for pending water right applications; develop a 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. (State Building Construction Account, 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 the widening and improvements to sections of the East Low Canal within the Columbia Basin Project.

Proviso

N/A

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	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
057-1	State Bldg Constr-State	14,000,000			14,000,000
	Total	14,000,000	0	0	14,000,000

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Project Number: 40000399

Project Title: 2021-23 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000400

SubProject Title: Odessa - OGWRP (including EL 85 gates)

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000401

SubProject Title: Icicle - project implementation

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 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 the resources needed to make substantial progress in the 2021-23 Biennium. Specifically, these funds will provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water supply for pending water right applications; develop a 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. (State Building Construction Account, 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.

Proviso

N/A

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Grants

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Project Title: 2021-23 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000401

SubProject Title: Icicle - project implementation

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	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
057-1	State Bldg Constr-State	4,000,000			4,000,000
	Total	4,000,000	0	0	4,000,000
Future Fiscal Periods					
		<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000402

SubProject Title: WDFW Support

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Project Title: 2021-23 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000402

SubProject Title: WDFW Support

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 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 the resources needed to make substantial progress in the 2021-23 Biennium. Specifically, these funds will provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water supply for pending water right applications; develop a 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. (State Building Construction Account, 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.

Proviso

N/A

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	1,793,000				1,793,000
	Total	1,793,000	0	0	0	1,793,000

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/4/2020 9:18AM

Project Number: 40000399

Project Title: 2021-23 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000402

SubProject Title: WDFW Support

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000403

SubProject Title: OCR Staffing

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 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 the resources needed to make substantial progress in the 2021-23 Biennium. Specifically, these funds will provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water supply for pending water right applications; develop a 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. (State Building Construction Account, 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.

Proviso

N/A

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Grants

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/4/2020 9:18AM

Project Number: 40000399

Project Title: 2021-23 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000403

SubProject Title: OCR Staffing

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	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
057-1	State Bldg Constr-State	1,792,000			1,792,000
	Total	1,792,000	0	0	1,792,000
Future Fiscal Periods					
		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000404

SubProject Title: Ecology EAGL Support

Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/4/2020 9:18AM

Project Number: 40000399

Project Title: 2021-23 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000404

SubProject Title: Ecology EAGL Support

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 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 the resources needed to make substantial progress in the 2021-23 Biennium. Specifically, these funds will provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water supply for pending water right applications; develop a 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. (State Building Construction Account, Columbia River Basin Water Supply Revenue Recovery Account)

Project Description

Maintenance of Ecology's Administration of Grants & Loans (EAGL) system.

Proviso

N/A

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	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
057-1	State Bldg Constr-State	15,000			15,000
	Total	15,000	0	0	15,000

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/4/2020 9:18AM

Project Number: 40000399

Project Title: 2021-23 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000404

SubProject Title: Ecology EAGL Support

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000405

SubProject Title: Walla Walla 2050, EIS, Bi-State Flow study, USGS GW

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 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 the resources needed to make substantial progress in the 2021-23 Biennium. Specifically, these funds will provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water supply for pending water right applications; develop a 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. (State Building Construction Account, Columbia River Basin Water Supply Revenue Recovery Account)

Project Description

Funding to conduct 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.

Proviso

N/A

Location

City: Walla Walla

County: Walla Walla

Legislative District: 016

Project Type

Grants

461 - Department of Ecology

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/4/2020 9:18AM

Project Number: 40000399

Project Title: 2021-23 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000405

SubProject Title: Walla Walla 2050, EIS, Bi-State Flow study, USGS GW

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	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
057-1	State Bldg Constr-State	3,000,000			3,000,000
	Total	3,000,000	0	0	3,000,000
Future Fiscal Periods					
		<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000406

SubProject Title: Quad Cities (City of West Richland/Pasco) - ASR

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/4/2020 9:18AM

Project Number: 40000399

Project Title: 2021-23 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000406

SubProject Title: Quad Cities (City of West Richland/Pasco) - ASR

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 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 the resources needed to make substantial progress in the 2021-23 Biennium. Specifically, these funds will provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water supply for pending water right applications; develop a 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. (State Building Construction Account, 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.

Proviso

N/A

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	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Reappropriations
057-1	State Bldg Constr-State	2,000,000			2,000,000
	Total	2,000,000	0	0	2,000,000

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/4/2020 9:18AM

Project Number: 40000399

Project Title: 2021-23 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000406

SubProject Title: Quad Cities (City of West Richland/Pasco) - ASR

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000407

SubProject Title: FDR payment

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 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 the resources needed to make substantial progress in the 2021-23 Biennium. Specifically, these funds will provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water supply for pending water right applications; develop a 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. (State Building Construction Account, 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.

Proviso

N/A

Location

City: Coulee Dam

County: Okanogan

Legislative District: 012

Project Type

Grants

461 - Department of Ecology

Capital Project Request

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/4/2020 9:18AM

Project Number: 40000399

Project Title: 2021-23 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000407

SubProject Title: FDR payment

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	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
296-1	Col River Bas Wtr Su-State	1,000,000			1,000,000
	Total	1,000,000	0	0	1,000,000
Future Fiscal Periods					
		2023-25	2025-27	2027-29	2029-31
296-1	Col River Bas Wtr Su-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000408

SubProject Title: Columbia Basin ASR

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/4/2020 9:18AM

Project Number: 40000399

Project Title: 2021-23 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000408

SubProject Title: Columbia Basin ASR

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 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 the resources needed to make substantial progress in the 2021-23 Biennium. Specifically, these funds will provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water supply for pending water right applications; develop a 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. (State Building Construction Account, 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.

Proviso

N/A

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	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Reappropriations
057-1	State Bldg Constr-State	2,000,000			2,000,000
	Total	2,000,000	0	0	2,000,000

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/4/2020 9:18AM

Project Number: 40000399

Project Title: 2021-23 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000408

SubProject Title: Columbia Basin ASR

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000409

SubProject Title: Odessa - mitigation

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 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 the resources needed to make substantial progress in the 2021-23 Biennium. Specifically, these funds will provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water supply for pending water right applications; develop a 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. (State Building Construction Account, Columbia River Basin Water Supply Revenue Recovery Account)

Project Description

Mitigation-related projects to facilitate replacing groundwater withdrawals with a surface water source that will ease the burden on the aquifers.

Proviso

N/A

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Grants

461 - Department of Ecology

Capital Project Request

2021-23 Biennium

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Report Number: CBS002

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Project Number: 40000399

Project Title: 2021-23 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000409

SubProject Title: Odessa - mitigation

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	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
057-1	State Bldg Constr-State	500,000			500,000
	Total	500,000	0	0	500,000
Future Fiscal Periods					
		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000410

SubProject Title: CRPAG & WASACC facilitation & Leg Report

Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/4/2020 9:18AM

Project Number: 40000399

Project Title: 2021-23 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000410

SubProject Title: CRPAG & WASACC facilitation & Leg Report

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 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 the resources needed to make substantial progress in the 2021-23 Biennium. Specifically, these funds will provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water supply for pending water right applications; develop a 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. (State Building Construction Account, 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.

Proviso

N/A

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	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Reappropriations
296-1	Col River Bas Wtr Su-State	500,000			500,000
	Total	500,000	0	0	500,000

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/4/2020 9:18AM

Project Number: 40000399

Project Title: 2021-23 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000410

SubProject Title: CRPAG & WASACC facilitation & Leg Report

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
296-1	Col River Bas Wtr Su-State				
Total		0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000411

SubProject Title: Pasco Basin Water Supply (508-14)

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 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 the resources needed to make substantial progress in the 2021-23 Biennium. Specifically, these funds will provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water supply for pending water right applications; develop a 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. (State Building Construction Account, 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.

Proviso

N/A

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Grants

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/4/2020 9:18AM

Project Number: 40000399

Project Title: 2021-23 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000411

SubProject Title: Pasco Basin Water Supply (508-14)

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	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
057-1	State Bldg Constr-State	400,000			400,000
	Total	400,000	0	0	400,000
Future Fiscal Periods					
		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000412

SubProject Title: Switzler Storage EIS completion

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/4/2020 9:18AM

Project Number: 40000399

Project Title: 2021-23 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000412

SubProject Title: Switzler Storage EIS completion

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 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 the resources needed to make substantial progress in the 2021-23 Biennium. Specifically, these funds will provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water supply for pending water right applications; develop a 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. (State Building Construction Account, Columbia River Basin Water Supply Revenue Recovery Account)

Project Description

Completion of an Environmental Impact Statement related to storage project.

Proviso

N/A

Location

City: Kennewick

County: Benton

Legislative District: 016

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	250,000				250,000
	Total	250,000	0	0	0	250,000

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/4/2020 9:18AM

Project Number: 40000399

Project Title: 2021-23 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000412

SubProject Title: Switzler Storage EIS completion

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
Total		0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000413

SubProject Title: Barkley

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 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 the resources needed to make substantial progress in the 2021-23 Biennium. Specifically, these funds will provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water supply for pending water right applications; develop a 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. (State Building Construction Account, Columbia River Basin Water Supply Revenue Recovery Account)

Project Description

Final construction of irrigation piping infrastructure and acquisition of water right for use by Town of Twisp.

Proviso

N/A

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Grants

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/4/2020 9:18AM

Project Number: 40000399

Project Title: 2021-23 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000413

SubProject Title: Barkley

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	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
057-1	State Bldg Constr-State	500,000			500,000
	Total	500,000	0	0	500,000
Future Fiscal Periods					
		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000414

SubProject Title: Feedroute

Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/4/2020 9:18AM

Project Number: 40000399

Project Title: 2021-23 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000414

SubProject Title: Feedroute

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 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 the resources needed to make substantial progress in the 2021-23 Biennium. Specifically, these funds will provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water supply for pending water right applications; develop a 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. (State Building Construction Account, Columbia River Basin Water Supply Revenue Recovery Account)

Project Description

The project provides a more reliable source of water to the southern portion of the Columbia Basin Project by delivering additional water to Potholes Reservoir. The water is conveyed via Crab Creek and the Frenchman Hills Wasteway.

Proviso

N/A

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	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Reappropriations
057-1	State Bldg Constr-State	1,500,000			1,500,000
	Total	1,500,000	0	0	1,500,000

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/4/2020 9:18AM

Project Number: 40000399

Project Title: 2021-23 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000414

SubProject Title: Feedroute

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
Total		0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000415

SubProject Title: 2021 Supply and Demand Forecast

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 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 the resources needed to make substantial progress in the 2021-23 Biennium. Specifically, these funds will provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water supply for pending water right applications; develop a 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. (State Building Construction Account, 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.

Proviso

N/A

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Grants

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

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Project Number: 40000399

Project Title: 2021-23 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000415

SubProject Title: 2021 Supply and Demand Forecast

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	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
057-1	State Bldg Constr-State	250,000			250,000
	Total	250,000	0	0	250,000
Future Fiscal Periods					
		<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000416

SubProject Title: Water Acquisitions

Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/4/2020 9:18AM

Project Number: 40000399

Project Title: 2021-23 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000416

SubProject Title: Water Acquisitions

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 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 the resources needed to make substantial progress in the 2021-23 Biennium. Specifically, these funds will provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water supply for pending water right applications; develop a 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. (State Building Construction Account, Columbia River Basin Water Supply Revenue Recovery Account)

Project Description

Water right acquisitions that support instream and out-of-stream demands.

Proviso

N/A

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
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

Date Run: 9/4/2020 9:18AM

Project Number: 40000399

Project Title: 2021-23 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000416

SubProject Title: Water Acquisitions

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
Total		0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000417

SubProject Title: Miscellaneous Feasibility Studies

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 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 the resources needed to make substantial progress in the 2021-23 Biennium. Specifically, these funds will provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water supply for pending water right applications; develop a 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. (State Building Construction Account, Columbia River Basin Water Supply Revenue Recovery Account)

Project Description

Projects that support instream and out-of-stream demands and meet RCW 90.90 mandates.

Proviso

N/A

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Grants

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Report Number: CBS002

Date Run: 9/4/2020 9:18AM

Project Number: 40000399

Project Title: 2021-23 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000417

SubProject Title: Miscellaneous Feasibility Studies

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	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
057-1	State Bldg Constr-State	1,500,000			1,500,000
	Total	1,500,000	0	0	1,500,000
Future Fiscal Periods					
		<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000418

SubProject Title: WW lease

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/4/2020 9:18AM

Project Number: 40000399

Project Title: 2021-23 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000418

SubProject Title: WW lease

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 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 the resources needed to make substantial progress in the 2021-23 Biennium. Specifically, these funds will provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water supply for pending water right applications; develop a new, uninterrupted 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. (State Building Construction Account, 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.

Proviso

N/A

Location

City: Unincorporated

County: Walla Walla

Legislative District: 016

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	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Reappropriations
057-1	State Bldg Constr-State	1,000,000			1,000,000
	Total	1,000,000	0	0	1,000,000

Capital Project Request

2021-23 Biennium

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Report Number: CBS002

Date Run: 9/4/2020 9:18AM

Project Number: 40000399

Project Title: 2021-23 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000418

SubProject Title: WW lease

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000419

SubProject Title: Columbia River Interruptibles

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 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 the resources needed to make substantial progress in the 2021-23 Biennium. Specifically, these funds will provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water supply for pending water right applications; develop a 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. (State Building Construction Account, Columbia River Basin Water Supply Revenue Recovery Account)

Project Description

Water supply development projects to meet the demands of existing interruptible water rights.

Proviso

N/A

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Grants

461 - Department of Ecology

Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/4/2020 9:18AM

Project Number: 40000399

Project Title: 2021-23 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000419

SubProject Title: Columbia River Interruptibles

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	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
057-1	State Bldg Constr-State	1,000,000			1,000,000
	Total	1,000,000	0	0	1,000,000
Future Fiscal Periods					
		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000420

SubProject Title: Odessa - bridges

Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/4/2020 9:18AM

Project Number: 40000399

Project Title: 2021-23 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000420

SubProject Title: Odessa - bridges

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 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 the resources needed to make substantial progress in the 2021-23 Biennium. Specifically, these funds will provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water supply for pending water right applications; develop a 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. (State Building Construction Account, Columbia River Basin Water Supply Revenue Recovery Account)

Project Description

Infrastructure replacement and modification related to widening of East Low Canal during ongoing implementation of the Odessa Groundwater Replacement Program. This funding request is intended to match federal transportation dollars.

Proviso

N/A

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	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Reappropriations
057-1	State Bldg Constr-State	2,000,000			2,000,000
	Total	2,000,000	0	0	2,000,000

Capital Project Request

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/4/2020 9:18AM

Project Number: 40000399

Project Title: 2021-23 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000420

SubProject Title: Odessa - bridges

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000421

SubProject Title: 2021-23 Columbia River Wtr Supp Dev Prog Ten-Year Financial Plan

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 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 the resources needed to make substantial progress in the 2021-23 Biennium. Specifically, these funds will provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water supply for pending water right applications; develop a 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. (State Building Construction Account, Columbia River Basin Water Supply Revenue Recovery Account)

Project Description

Ten-Year Financial Plan

Proviso

N/A

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Grants

Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/4/2020 9:18AM

Project Number: 40000399

Project Title: 2021-23 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000421

SubProject Title: 2021-23 Columbia River Wtr Supp Dev Prog Ten-Year Financial Plan

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	154,000,000				
	Total	154,000,000	0	0	0	0

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
296-1	Col River Bas Wtr Su-State	6,000,000				
	Total	6,000,000	0	0	0	0

Future Fiscal Periods

		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State	38,500,000	38,500,000	38,500,000	38,500,000
	Total	38,500,000	38,500,000	38,500,000	38,500,000

Future Fiscal Periods

		2023-25	2025-27	2027-29	2029-31
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 2021-23 Capital Budget Project List
Office of Columbia River
Water Supply Projects
8/11/2020



Purpose: This program was authorized by the Legislature in 2006 to expand available water supply in the basin, provide replacement 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	Recipient	Cost	Project Description	Estimated Start	Site Address	City	County	Leg. District	Lat.	Long.
1	Odessa - OGWRP (including EL 85 gates)	14,000,000	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 the widening and improvements to sections of the East Low Canal within the Columbia Basin Project.	7/1/2021	Various	TBD	Grant, Adams	9,13	Multiple Project Locations	
1	Icicle - project implementation	4,000,000	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.	7/1/2021	Fish Hatchery Road	Leavenworth	Chelan	12	Multiple Project Locations	
1	WDFW Support (General support, Odessa, Icicle, 508-14, Trout Lodge, PSFR)	1,792,500	Agency costs for species, fish, wildlife and habitat technical assistance related to implementing capital projects.	7/1/2021	N/A	Various	Various	N/A	No Geographic Location	
1	OCR Staffing	1,792,500	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.	7/1/2021	N/A	Various	Various	N/A	No Geographic Location	
1	Ecology EAGL Support	15,000	Maintenance of Ecology's Administration of Grants & Loans (EAGL) system.	7/1/2021	N/A	Various	Various	N/A	No Geographic Location	
1	Walla Walla 2050, EIS, Bi-State Flow study, USGS GW	3,000,000	Funding to conduct 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.	7/1/2021	405 West Main Street	Walla Walla	Walla Walla	16	46.06 -118.35	
2	Quad Cities (City of West Richland/Pasco) - ASR	2,000,000	Drill and test sites to locate potential aquifer storage and recovery (ASR) opportunities. ASR projects store water in underground aquifers until needed.	7/1/2021	Various	TBD	Walla Walla, Yakima	8,16	Multiple Project Locations	
2	FDR payment	1,000,000	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.	7/1/2021	Grand Coulee Dam	Coulee	Okanogan	12	47.96 -118.98	
2	Columbia Basin ASR	2,000,000	Drill and test sites to locate potential aquifer storage and recovery (ASR) opportunities. ASR projects store water in underground aquifers until needed.	7/1/2021	Various	TBD	Various	Various	TBD	TBD
2	Odessa - mitigation	500,000	Mitigation-related projects to facilitate replacing groundwater withdrawals with a surface water source that will ease the burden on the aquifers.	7/1/2021	Various	Various	Grant, Adams	9,13	Multiple Project Locations	
2	CRPAG & WASACC facilitation & Leg Report	500,000	Agency costs for stakeholder facilitation and consultant legislative report management and technical assistance related to implementing capital projects.	7/1/2021	Various	N/A	Grant, Adams	N/A	No Geographic Location	
2	Pasco Basin Water Supply (508-14)	400,000	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.	7/1/2021	Various	Various	Grant, Adams, Franklin	9,16	Multiple Project Locations	
2	Switzler Storage EIS completion	250,000	Completion of an Environmental Impact Statement related to storage project.	7/1/2021	Various	N/A	Benton	16	45.96 -119.11	
2	Barkley	500,000	Final construction of irrigation piping infrastructure and acquisition of water right for use by Town of Twisp.	7/1/2021	Various	Various	TBD		TBD	TBD

Rank	Recipient	Cost	Project Description	Estimated Start	Site Address	City	County	Leg. District	Lat.	Long.
3	Feedroute	1,500,000	The project provides a more reliable source of water to the southern portion of the Columbia Basin Project by delivering additional water to Potholes Reservoir. The water is conveyed via Crab Creek and the Frenchman Hills Wasteway.	7/1/2021	Various	Various	Various	13	Multiple Project Locations	
3	2021 Supply and Demand Forecast	250,000	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.	7/1/2021	N/A	N/A	N/A	N/A	No Geographic Location	
3	Water Acquisitions	1,000,000	Water right acquisitions that support instream and out-of-stream demands.	7/1/2021	TBD	TBD	TBD	Various	TBD	TBD
3	Miscellaneous Feasibility Studies	1,500,000	Projects that support instream and out-of-stream demands and meet RCW 90.90 mandates.	7/1/2021	TBD	TBD	TBD	Various	TBD	TBD
3	WW lease	1,000,000	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.	7/1/2021	N/A	Touchet	Walla Walla	16	46.12	-118.90
3	Columbia River Interruptibles	1,000,000	Water supply development projects to meet the demands of existing interruptible water rights.	7/1/2021	TBD	TBD	TBD	Various	TBD	TBD
3	Odessa - bridges	2,000,000	Infrastructure replacement and modification related to widening of East Low Canal during ongoing implementation of the Odessa Groundwater Replacement Program. This funding request is intended to match federal transportation dollars.	7/1/2021	Various	Various	Grant, Adams	9,13	Multiple Project Locations	
TOTAL		40,000,000								

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Project Number: 40000397

Project Title: 2021-23 Streamflow Restoration Program

Description

Starting Fiscal Year: 2022

Project Class: Grant - Pass Through

Agency Priority: 8

Project Summary

Ecology is requesting \$40 million in new appropriation authority to continue implementing Chapter 90.94 RCW Streamflow Restoration Program that was passed in the 2018 legislative session. This request will fund projects that implement the Chapter 90.94 RCW local watershed planning process that improves instream flows statewide. This legislation provided \$300 million in bond authorization over 15 years for this work. With this request, Ecology will deliver additional water supplies to improve stream flow conditions for fish and wildlife. (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 to continue implementing Chapter 90.94 RCW (formerly Engrossed Substitute Senate Bill 6091 from 2018) that 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 Grant program is to provide funding for those actions and projects.

Projects will include water acquisition, storage, retiming, 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 new law.

Current Funding

Ecology funded the first round of Streamflow Restoration Program grant applications beginning in 2019. The Agency defined the grant process and direction using the rule (Chapter 173-566 WAC) that was adopted on June 25, 2019, which provides the process and criteria for funding Streamflow Restoration projects statewide under RCW 90.94.060. This guidance and timeline was published November 2019. Ecology held 49 pre-application meetings from November 1, 2019 to April 30, 2020. These meetings were an opportunity for potential applicants to discuss details of their project with Ecology staff before submitting a final application. These meetings were required for projects that have a water rights acquisition component, and were optional for other projects.

At the beginning of the 2019-21 Biennium, Ecology anticipated the second Streamflow Restoration Program grant round would be open from January 2020 through March 31, 2020. However, due to the COVID-19 pandemic, Ecology extended the application period through April 30, 2020. Once the application period closed, Ecology began processing and reviewing applications. Ecology anticipates making offers to applicants in the fall of 2020 and announcing a ranked project list by January 2021.

2021-23 Funding Allocation Process

Pre-application meetings are conducted 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 series of grant applicant workshops each funding cycle in order to provide information to potential grant applicants about the application process and purpose of the grants. Interested parties submit applications using the Ecology Administration of Grants and Loans (EAGL) system.

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. Funding is available statewide. 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

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Project Title: 2021-23 Streamflow Restoration Program

Description

eligible.

Grant funding will be awarded statewide on a competitive basis. Ecology's published guidance outlines our consistent and transparent process for awarding these grants: <https://fortress.wa.gov/ecy/publications/summarypages/1911089.html>.

Ecology's streamflow restoration competitive grants will help state and local agencies, tribal governments, and non-profit organizations implement local plans and projects to improve streamflow and aquatic resources.

Ecology anticipates it will begin accepting applications for the third round of streamflow grant funding (from 2021-23 new appropriations) beginning in February 2021, and completing a process similar to our second round funding timeline, with a final project list for round three funding available by January 2022.

What opportunity or problem is driving this request?

Washington's new streamflow restoration law is in response to the Hirst decision. Hirst was a 2016 Washington State Supreme Court decision that changed how counties approve or deny building permits that use permit-exempt wells for a water source. The law, Chapter 90.94 RCW, was passed on January 18, 2018, and signed by Governor Inslee the next day. The law helps protect water resources while providing 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 directs local planning groups to develop streamflow restoration plans that address the potentially negative impacts from new development.

What are the specific benefits of this project?

In general, the Hirst decision limited many landowner's abilities 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 help provide a path forward to meet economic and community needs for reliable water supplies, while protecting and enhancing river flows for fish, wildlife, and recreational uses. Ecology implements the directives in Chapter 90.94 RCW, which:

1. Focuses resources on 15 watersheds that were impacted by the Hirst decision and also establishes standards for rural residential permit-exempt wells in the rest of the state.
2. Allows counties to rely on Ecology's instream flow rules in preparing comprehensive plans and development regulations and for water availability determinations.
3. Allows rural residents to have access to water from permit-exempt wells to build a home. An estimated 1,547 additional homes per year over 20 years will be built in rural areas of the state.
4. 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. Establishes a one-time \$500 fee for landowners building a home using a permit-exempt well in the affected areas.
5. 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.
6. Invests \$300 million over the next 15 years in projects that will help fish and streamflows.

This request will also provide economic benefits to the state by creating up to 103 jobs during the next three years based on Office of Financial Management estimates.

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Project Title: 2021-23 Streamflow Restoration Program

Description**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 for rural domestic purposes. If funds are not appropriated for the 2021-23 Biennium, new water to offset building permits using permit exempt wells would not be developed. Feasibility studies, other contract work currently in process, and new water supply projects would not be completed or started. Also, valuable progress made in the last four 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 new capital funding for the work envisioned in Chapter 90.94 RCW. Ecology did not consider alternatives as the Legislature directed this process.

How will clients be affected and services change if this project is funded?

This request will allow streamflow restoration projects to be implemented, which will begin the development of new water supplies that will improve instream flow conditions statewide. 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 domestic building permit needs as illustrated by the lawsuit that led to establishment of this program. Without these projects to offset domestic water use and improve instream flows, it is likely additional litigation would occur.

What is the agency's proposed funding strategy for the project?

The 2018 Legislature authorized \$300 million in bonds to expand available water supply in the 15 watersheds identified in the Bill, as well as statewide. This funding will be used to implement projects that offset permit exempt well water usage and improve instream flows for fish. Ecology will use the 2021-23 appropriation to provide additional project and grant funding in the next 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 \$15,000 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 implementing goals in Ecology's strategic plan to:

- Support and engage our communities, customers, and employees.
- Protect and manage our state's water because it helps meet economic and community needs for reliable water supplies in the water short basins, while protecting and enhancing river flows for fish.

These projects also support local communities, customers, and employees providing infrastructure at the local level to support improved water use efficiency and improve instream flows for local economic, recreational, and environmental benefit.

This request provides essential support to Governor's Results Washington Goal 3: Sustainable Energy and Clean Environment by:

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Description

- Increasing the amount of water instream so that fish and wildlife species have enough water to live and reproduce so that they can maintain healthy populations supported by higher water levels.

- Improving fish habitats so that the food chain is maintained so that fish can find food to eat, shading from trees and plants is improved so that the temperatures do not get too high, and spawning grounds are available with the right size of gravel, etc.

How will the other state programs or units of government be affected if this project is funded?

Local government will implement the fee collection process related to issuing building permits that rely on use of a permit exempt well. Local government will be responsible for collecting, tracking, and remitting applicable fees to Ecology on an annual basis. In addition, 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 Department of Fish and Wildlife both have responsibilities under Chapter 90.94 RCW as identified in the Ecology fiscal note for the bill. Funding was provided to both these state agencies to implement their respective obligations under Chapter 90.94 RCW.

There is no federal involvement identified, although Ecology anticipates, in some circumstances, federal participation may occur.

Tribal government will be invited to participate in the local planning process in applicable watersheds. Ecology is providing Tribal Planning Participation grants as was identified in the fiscal note for ESSB 6091.

What is the impact on the state operating budget?

Ecology received \$3.9 million and 9.6 FTE in the 2018 Supplemental Operating Budget for ESSB 6091 implementation during the 2017-19 Biennium, based on the fiscal note for the Bill. For the 2021-23 Biennium, Ecology's base carry forward-level includes 28.04 FTEs and \$7.9 million for implementing the Streamflow Restoration Program.

Proviso

N/A

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

Expenditures

2021-23 Fiscal Period

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Funding

Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reappropriations	New Appropriations
366-1	Wtrshd Rst Enhnc Bnd-State	200,000,000				40,000,000
	Total	200,000,000	0	0	0	40,000,000

Future Fiscal Periods

	2023-25	2025-27	2027-29	2029-31
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

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Project Number: 40000422

Project Title: 2021-23 Yakima River Basin Water Supply

Description

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 11

Project Summary

Current water resources infrastructure, programs, and policies in the Yakima River Basin have not been able to consistently meet the environmental and economic demands that support basin 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 \$42 million in the 2021-23 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. (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 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 there are predictions that water supply will worsen in the face of climate change. The report and model reinforce that surface and groundwater must be managed as one resource in the Yakima River 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 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 (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.

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 20 to 30 years and about \$3.8 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 it is necessary to pursue short and medium-term solutions now as the long term efforts and funding strategy is pursued. 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 would 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 water for irrigators in drought years and reduce dependence on snowpack. 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.

The Plan incorporates approximately 57,000 acre-feet of water supply for municipal and domestic needs. But 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. While water resources must be managed conservatively to protect senior users and fisheries, we must

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Description

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 five years, the program has been advancing a wide range of projects, from planning, design, permitting, funding, and construction as part of the first ten years of project development (10-year Initial Development Phase).

The project-by-project activities discussed in this request include concurrent advancement of fish passage, watershed 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 \$40.0 million in the 2019-21 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 \$42 million to continue implementation projects in the Plan. It will provide measureable progress to address pending water right 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 2019-21 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, 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 Initial 10-Year Development Phase of Yakima Basin Integrated Plan. This includes 200,000 acre-feet inactive storage at Lake Kachess, additional water conservation savings of 85,000 acre-feet, groundwater recharge, aquifer storage and water market & transfer projects and an additional \$75 million to address long standing 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 Yakima Basin Integrated Plan.

- Additional accomplishments include completion of the Cle Elum Fish Passage Structure which include completion of the secant pile, tunnel to adult fish passage facility, lowest intake constricted and other construction activities for the phasing of the next contract to construct the helix.

- In addition, significant advancement toward the water conservation goal of 85,000 ac-ft during the initial development phase of 36,000 ac-ft or 42% of the goal.

See YBIP Blog: <https://ecology.wa.gov/Blog/Posts/July-2020/Water-conservation-Accounting-for-every-drop-in-th>

- Held ten-year YBIP planning event in October with federal, state, local government, Yakama Nation, conservation groups and interested stakeholders for scoping and planning for next ten year increment.

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Description

This request will fund the next installment of the ten-year Initial Development Phase that runs through the 2021-23 Biennium. For the 2021-23 Biennium, proposed projects by the Plan improvement categories (See attached project list) include:

1. Habitat: \$5.0 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. Work to improve Bull Trout Habitat enhancements in various locations will include feasibility, permitting, and implementation activities.
2. Fish Passage: \$22.7 million - Cle Elum, Tieton, and Clear Lake Dam Passage Construction of up and downstream fish passage facilities at Cle Elum and Clear Lake, and feasibility and design work at Tieton.
3. Structural & Operational Modifications: \$4.5 million - Cle Elum Pool Raise and Upper Yakima System Shoreline stabilization at Lake Cle Elum to mitigate raising lake level by three feet. Feasibility study to add small scale gravity fed storage to the Yakima irrigation system in Kittitas County, and feasibility study at Nelson dam, and lower river storage.
4. Surface Storage: \$2.7 million - KDRPP and Wymer or Bumping Reservoir KDRPP project will provide additional pump capacity on Lake Kachess that will allow access to another 200,000 acre-feet of water from the lake. The Bumping and Wymer storage options will modify and enlarge Bumping Lake to a total active capacity of 190,000 acre-feet (current capacity is 33,700 acre-feet), or Wymer will provide new 162,500 acre-feet off-channel storage facility in the intermittent stream channel of Lmuma Creek, eight miles upstream of Roza Dam. This work will focus on continued feasibility study development and geotechnical analysis.
5. Groundwater Storage: \$1.8 million - Regional Storage Options 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. Additional pilot projects will be developed and implemented during the biennium.
6. Water Conservation: \$5.0 million – Agricultural/Municipal/Domestic Conservation projects. These projects will focus on improvements to existing irrigation districts within the Basin, including the Yakama Nation district.
7. Market Driven Reallocation: \$300,000 - General Support for markets to exchange water and provide banking opportunities. This work will focus on reducing barriers to voluntary market transfers and marketing opportunities.

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. Groups include the Yakama Nation, USBR, Bonneville Power Administration, U.S. Fish and Wildlife Service, National Marine Fisheries Service, Washington State departments of Ecology and Fish and Wildlife (WDFW), county and municipal governments, local conservation districts, non-profit organizations, and other landowners and managers. But the current water resources infrastructure, programs, and policies in the Yakima River Basin have not been able to consistently meet 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 riparian 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

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Description

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 prorationing of 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 103 jobs during the next three years based on estimates from the Office of Financial Management.

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 or 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 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 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 Integrated 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?

New funds allow Yakima River Basin projects to be started and solutions to historic water supply problems implemented. The

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availability of extensive capital funding is critical to implementing the Plan and securing future commitments from the federal government. Without the 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. Projects funded will lead to additional economic activity in communities throughout the region, and allow state government to work in partnership with water stakeholders throughout the region. Economic vitality in the region will continue while aquatic resources and instream flows are protected.

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 this proposed legislation with Congress.

Funding for this request includes \$15,000 to maintain and update the grant or loan applications in the agency systems.

Are FTEs required to support this project?

This project requires 3.45 FTEs to provide project management, scientific expertise, and contract oversight and support to implement Plan projects. This is an increase of 1.15 FTE above the 2019-21 biennium that currently supports this capital project and is necessary due to overall project complexity and accelerated implementation schedule. Ecology's OCR manages both Columbia River and Yakima River Integrated Plan projects. OCR anticipates implementing some very large-scale projects (constructing storage) and numerous small-scale habitat projects in 2021-23.

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 implementing goals in Ecology's strategic plan to:

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Description

- Support and engage our communities, customers and employees

- Protect and manage our state's water because it helps meet economic and community needs for reliable water supplies in the Yakima River Basin, while protecting and enhancing river flows for fish.

These projects also support local communities, customers, and employees providing infrastructure at the local level to support improved water use efficiency and improve instream flows for local economic, recreational, and environmental benefit.

This request is essential to support the Governor's priority for Economy and Agriculture to: Protect and manage scarce resources: land, water, energy, labor, capital, and credit.

This request provides essential support to the Governor's Results Washington Goal 3: Sustainable Energy and a Clean Environment by:

- Increasing the amount of water instream so that fish and wildlife species have enough water to live and reproduce so that they can maintain healthy populations supported by higher water levels.

- Improving fish habitats so that the food chain is maintained so that fish can find food to eat, shading from trees and plants is improved so that the temperatures do not get too high, and spawning grounds are available with the right size of gravel, etc.

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, but will 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.

What is the impact on the state operating budget?

None

Proviso

N/A

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Grants

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/4/2020 9:27AM

Project Number: 40000422

Project Title: 2021-23 Yakima River Basin Water Supply

Description

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	210,000,000				42,000,000
	Total	210,000,000	0	0	0	42,000,000

Future Fiscal Periods

		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State	42,000,000	42,000,000	42,000,000	42,000,000
	Total	42,000,000	42,000,000	42,000,000	42,000,000

Operating Impacts

No Operating Impact

SubProjects

SubProject Number: 40000423

SubProject Title: Habitat

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/4/2020 9:27AM

Project Number: 40000422

Project Title: 2021-23 Yakima River Basin Water Supply

SubProjects

SubProject Number: 40000423

SubProject Title: Habitat

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 11

Project Summary

Current water resources infrastructure, programs, and policies in the Yakima River Basin have not been able to consistently meet the environmental and economic demands that support basin 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 \$42 million in the 2021-23 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. (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

Proviso

N/A

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	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Reappropriations
057-1	State Bldg Constr-State	4,891,000			4,891,000
	Total	4,891,000	0	0	4,891,000

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	0	0	0	0

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Project Number: 40000422

Project Title: 2021-23 Yakima River Basin Water Supply

SubProjects

SubProject Number: 40000423

SubProject Title: Habitat

Operating Impacts

No Operating Impact

SubProject Number: 40000424

SubProject Title: Fish Passage

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 11

Project Summary

Current water resources infrastructure, programs, and policies in the Yakima River Basin have not been able to consistently meet the environmental and economic demands that support basin 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 \$42 million in the 2021-23 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. (State Building Construction Account)

Project Description

Cle Elum Dam Passage - Construction of down stream / upstream fish passage facilities.

Proviso

N/A

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 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

Capital Project Request

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Project Number: 40000422

Project Title: 2021-23 Yakima River Basin Water Supply

SubProjects

SubProject Number: 40000424

SubProject Title: Fish Passage

Funding

Acct Code	Account Title	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
057-1	State Bldg Constr-State	21,518,000			21,518,000
	Total	21,518,000	0	0	21,518,000

Future Fiscal Periods

	Account Title	2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000425

SubProject Title: Fish Passage

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 11

Project Summary

Current water resources infrastructure, programs, and policies in the Yakima River Basin have not been able to consistently meet the environmental and economic demands that support basin 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 \$42 million in the 2021-23 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. (State Building Construction Account)

Project Description

Clear Lake Dam Passage

Proviso

N/A

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Grants

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/4/2020 9:27AM

Project Number: 40000422

Project Title: 2021-23 Yakima River Basin Water Supply

SubProjects

SubProject Number: 40000425

SubProject Title: Fish Passage

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	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
057-1	State Bldg Constr-State	685,000			685,000
	Total	685,000	0	0	685,000
Future Fiscal Periods					
		<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000426

SubProject Title: Structural & Operational Modifications

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/4/2020 9:27AM

Project Number: 40000422

Project Title: 2021-23 Yakima River Basin Water Supply

SubProjects

SubProject Number: 40000426

SubProject Title: Structural & Operational Modifications

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 11

Project Summary

Current water resources infrastructure, programs, and policies in the Yakima River Basin have not been able to consistently meet the environmental and economic demands that support basin 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 \$42 million in the 2021-23 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. (State Building Construction Account)

Project Description

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.

Proviso

N/A

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	Expenditures			2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reappropriates	New Appropriates
057-1	State Bldg Constr-State	2,445,000				2,445,000
	Total	2,445,000	0	0	0	2,445,000

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	0	0	0	0

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Project Number: 40000422

Project Title: 2021-23 Yakima River Basin Water Supply

SubProjects

SubProject Number: 40000426

SubProject Title: Structural & Operational Modifications

Operating Impacts

No Operating Impact

SubProject Number: 40000427

SubProject Title: Structural & Operational Modifications

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 11

Project Summary

Current water resources infrastructure, programs, and policies in the Yakima River Basin have not been able to consistently meet the environmental and economic demands that support basin 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 \$42 million in the 2021-23 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. (State Building Construction Account)

Project Description

Misc. Structural Projects (Nelson Dam, Lower River, Upper Yakima System Storage, YTID)

Proviso

N/A

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

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Project Number: 40000422

Project Title: 2021-23 Yakima River Basin Water Supply

SubProjects

SubProject Number: 40000427

SubProject Title: Structural & Operational Modifications

Funding

Acct Code	Account Title	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
057-1	State Bldg Constr-State	1,956,000			1,956,000
	Total	1,956,000	0	0	1,956,000

Future Fiscal Periods

	Account Title	2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000428

SubProject Title: Surface Storage

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 11

Project Summary

Current water resources infrastructure, programs, and policies in the Yakima River Basin have not been able to consistently meet the environmental and economic demands that support basin 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 \$42 million in the 2021-23 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. (State Building Construction Account)

Project Description

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 and bull trout enhancement).

Proviso

N/A

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Grants

Capital Project Request

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Report Number: CBS002

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Project Number: 40000422

Project Title: 2021-23 Yakima River Basin Water Supply

SubProjects

SubProject Number: 40000428

SubProject Title: Surface Storage

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	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
057-1	State Bldg Constr-State	1,663,000			1,663,000
	Total	1,663,000	0	0	1,663,000
Future Fiscal Periods					
		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000429

SubProject Title: Surface Storage

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Project Number: 40000422

Project Title: 2021-23 Yakima River Basin Water Supply

SubProjects

SubProject Number: 40000429

SubProject Title: Surface Storage

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 11

Project Summary

Current water resources infrastructure, programs, and policies in the Yakima River Basin have not been able to consistently meet the environmental and economic demands that support basin 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 \$42 million in the 2021-23 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. (State Building Construction Account)

Project Description

The Bumping and Wymer storage options would enlarge Bumping Lake to a total active capacity of 190,000 ac-ft (current capacity is 33,700 ac-ft) OR Wymer would provide new 162,500 ac-ft off-channel storage facility in the intermittent stream channel of Lmuma Creek, 8 miles upstream of Roza dam.

Proviso

N/A

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	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
057-1	State Bldg Constr-State	978,000			978,000
	Total	978,000	0	0	978,000

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Project Number: 40000422

Project Title: 2021-23 Yakima River Basin Water Supply

SubProjects

SubProject Number: 40000429

SubProject Title: Surface Storage

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000430

SubProject Title: Groundwater Storage

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 11

Project Summary

Current water resources infrastructure, programs, and policies in the Yakima River Basin have not been able to consistently meet the environmental and economic demands that support basin 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 \$42 million in the 2021-23 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. (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.

Proviso

N/A

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Grants

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Project Number: 40000422

Project Title: 2021-23 Yakima River Basin Water Supply

SubProjects

SubProject Number: 40000430

SubProject Title: Groundwater Storage

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	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
057-1	State Bldg Constr-State	1,761,000			1,761,000
	Total	1,761,000	0	0	1,761,000
Future Fiscal Periods					
		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000431

SubProject Title: Water Conservation

Capital Project Request

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Report Number: CBS002

Date Run: 9/4/2020 9:27AM

Project Number: 40000422

Project Title: 2021-23 Yakima River Basin Water Supply

SubProjects

SubProject Number: 40000431

SubProject Title: Water Conservation

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 11

Project Summary

Current water resources infrastructure, programs, and policies in the Yakima River Basin have not been able to consistently meet the environmental and economic demands that support basin 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 \$42 million in the 2021-23 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. (State Building Construction Account)

Project Description

Agricultural/Municipal/Domestic Conservation projects.

Proviso

N/A

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	Expenditures			2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	4,890,000				4,890,000
	Total	4,890,000	0	0	0	4,890,000
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

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Project Title: 2021-23 Yakima River Basin Water Supply

SubProjects

SubProject Number: 40000431

SubProject Title: Water Conservation

Operating Impacts

No Operating Impact

SubProject Number: 40000432

SubProject Title: Market Driven Reallocation

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 11

Project Summary

Current water resources infrastructure, programs, and policies in the Yakima River Basin have not been able to consistently meet the environmental and economic demands that support basin 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 \$42 million in the 2021-23 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. (State Building Construction Account)

Project Description

General Support for markets to exchange water and provide banking opportunities.

Proviso

N/A

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

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Project Number: 40000422

Project Title: 2021-23 Yakima River Basin Water Supply

SubProjects

SubProject Number: 40000432

SubProject Title: Market Driven Reallocation

Funding

Acct Code	Account Title	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
057-1	State Bldg Constr-State	293,000			293,000
	Total	293,000	0	0	293,000

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000433

SubProject Title: Ecology Staffing

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 11

Project Summary

Current water resources infrastructure, programs, and policies in the Yakima River Basin have not been able to consistently meet the environmental and economic demands that support basin 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 \$42 million in the 2021-23 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. (State Building Construction Account)

Project Description

Funding for the administration of the YRBWEP Program. Administration includes writing all grant agreements and contracts; reviewing and approving invoices and providing oversight for all projects. 3.45 FTE are needed for grant administration, Central Budget Office capital support and Agency administrative overhead.

Proviso

N/A

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Capital Project Request

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Date Run: 9/4/2020 9:27AM

Project Number: 40000422

Project Title: 2021-23 Yakima River Basin Water Supply

SubProjects**Project Type**

SubProject Number: 40000433

SubProject Title: Ecology Staffing

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriates	New Appropriates
057-1	State Bldg Constr-State	905,000				905,000
	Total	905,000	0	0	0	905,000

Future Fiscal Periods

	Account Title	2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000434

SubProject Title: Ecology EAGL System

Capital Project Request

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/4/2020 9:27AM

Project Number: 40000422

Project Title: 2021-23 Yakima River Basin Water Supply

SubProjects

SubProject Number: 40000434

SubProject Title: Ecology EAGL System

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 11

Project Summary

Current water resources infrastructure, programs, and policies in the Yakima River Basin have not been able to consistently meet the environmental and economic demands that support basin 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 \$42 million in the 2021-23 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. (State Building Construction Account)

Project Description

Maintenance of Ecology's Administration of Grants & Loans (EAGL) system. This also includes the development of a new application for the 2023-25 solicitation, which will occur during the 2021-23 Biennium.

Proviso

N/A

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	Expenditures			2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reappropriates	New Appropriates
057-1	State Bldg Constr-State	15,000				15,000
	Total	15,000	0	0	0	15,000
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

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Capital Project Request**

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/4/2020 9:27AM

Project Number: 40000422

Project Title: 2021-23 Yakima River Basin Water Supply

SubProjects

SubProject Number: 40000434

SubProject Title: Ecology EAGL System

Operating Impacts

No Operating Impact

SubProject Number: 40000435

SubProject Title: 2021-23 Yakima River Basin Water Supp Ten-Year Financial Plan

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 11

Project Summary

Current water resources infrastructure, programs, and policies in the Yakima River Basin have not been able to consistently meet the environmental and economic demands that support basin 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 \$42 million in the 2021-23 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. (State Building Construction Account)

Project Description

Ten-Year Financial Plan

Proviso

N/A

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

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/4/2020 9:27AM

Project Number: 40000422

Project Title: 2021-23 Yakima River Basin Water Supply

SubProjects

SubProject Number: 40000435

SubProject Title: 2021-23 Yakima River Basin Water Supp Ten-Year Financial Plan

Funding

Acct Code	Account Title	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
057-1	State Bldg Constr-State	168,000,000			
	Total	168,000,000	0	0	0

Future Fiscal Periods

		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State	42,000,000	42,000,000	42,000,000	42,000,000
	Total	42,000,000	42,000,000	42,000,000	42,000,000

Operating Impacts

No Operating Impact

Ecology 2021-23 Capital Budget Project List
Water Resources Program
Yakima River Basin Water Supply Project List
8/20/2020



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 the 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 storage capacity; (5) Enhancing and protecting habitat and increasing in-stream flows; and, (6) Employing water marketing and banking. 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.

Rank	Recipient	Cost	Project Description	Estimated Start	Site Address	City	County	Leg. District	Lat.	Long.
1	Habitat	4,890,477	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	7/1/2021	Various	Various	Kittitas, Yakima and Benton	13,14,15,16	Multiple	Multiple
1	Fish Passage	21,518,092	Cle Elum Dam Passage - Construction of down stream / upstream fish passage facilities.	7/1/2021	Various	Various	Kittitas and Yakima	13, 14, 15	47.27	-121.10
		684,667	Clear Lake Dam Passage	7/1/2021	Various	Various	Kittitas and Yakima	13, 14, 16	Multiple	Multiple
1	Structural & Operational Modifications	2,445,238	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.	7/1/2021	Various	Various	Kittitas	13	Multiple	Multiple
		1,956,191	Misc. Structural Projects (Nelson Dam, Lower River, Upper Yakima System Storage, YTID)	7/1/2021	Various	Various	Kittitas	13	Multiple	Multiple
1	Surface Storage	1,662,762	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 and bull trout enhancement).	7/1/2021	Various	Various	Kittitas	13	Multiple	Multiple
		978,095	The Bumping and Wymer storage options would enlarge Bumping Lake to a total active capacity of 190,000 ac-ft (current capacity is 33,700 ac-ft) OR Wymer would provide new 162,500 ac-ft off-channel storage facility in the intermittent stream channel of Lnuma Creek, 8 miles upstream of Roza dam.	7/1/2021	Various	Various	Kittitas and Yakima	14, 15	Multiple	Multiple
1	Groundwater Storage	1,760,572	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.	7/1/2021	Various	Various	Multiple	13, 14, 15, 16	Multiple	Multiple
1	Water Conservation	4,890,477	Agricultural/Municipal/Domestic Conservation projects.	7/1/2021	Various	Various	Kittitas, Yakima and Benton	13, 14, 15, 16	Multiple	Multiple
1	Market Driven Reallocation	293,429	General Support for markets to exchange water and provide banking opportunities.	7/1/2021	Various	Various	Multiple	13, 14, 15, 16	Multiple	Multiple

Rank	Recipient	Cost	Project Description	Estimated Start	Site Address	City	County	Leg. District	Lat.	Long.
1	Ecology Staffing	905,000	Funding for the administration of the YRBWEP Program. Administration includes writing all grant agreements and contracts; reviewing and approving invoices and providing oversight for all projects. 3.45 FTE are needed for grant administration, Central Budget Office capital support and Agency administrative overhead.	7/1/2021	Various	Various	Multiple	13, 14, 15, 16	Multiple	Multiple
1	Ecology EAGL System	15,000	Maintenance of Ecology's Administration of Grants & Loans (EAGL) system. This also includes the development of a new application for the 2023-25 solicitation, which will occur during the 2021-23 Biennium.	7/1/2021	Various	Various	Multiple	13, 14, 15, 16	Multiple	Multiple
Total		42,000,000								

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Capital Project Request

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 7:26PM

Project Number: 40000387

Project Title: 2021-23 Chehalis Basin Strategy

Description

Starting Fiscal Year: 2022

Project Class: Grant - Pass Through

Agency Priority: 14

Project Summary

In the Chehalis River basin, five of the largest recorded floods have occurred during the last 30 years. Habitat for salmon and other aquatic species has been severely degraded. Climate change is making both flood and fish problems worse. Without aggressive action, the best available science predicts that by late 21st century, thousands of homes in the Basin will be at risk, increased flooding will close U.S. Interstate 5 more often, communities will experience up to \$3.5 billion in flood-related damages, and the survival of the basin's spring-run Chinook populations will be imperiled. 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 Chehalis Basin Strategy to reduce flood-related damage, restore aquatic habitat for salmon and other native species, and provide other public benefits. Ecology is requesting \$70 million to continue implementing the Strategy in cooperation with local, tribal, and state partners. (State Building Construction Account)

Project Description

What is the proposed project?

In 2016, the Legislature passed House Bill 2856, which established the Office of Chehalis Basin (OCB) within Ecology. State lawmakers also transitioned the Governor's work group to an independent Chehalis Basin Board (Board), which is comprised of members representing local and tribal governments, state natural resource and transportation agencies, and conservation and agricultural interests. The Board provides oversight of the long-term Chehalis Basin Strategy (RCW 43.21A.731), including developing and submitting budget recommendations to the Governor necessary for implementation. The mission of the Board and OCB is 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 Basin.

House Bill (HB) 1154, passed in 2020, directs the OCB to submit agency decision packages consistent with biennial amounts of prior requests (\$50 million in 2017-19 and \$73.2 million in 2019-21) for the 2021-23 Biennium, as well as out biennia. HB 1154 also requires OCB to submit a report to the appropriate policy and fiscal committees of the legislature by Jan. 1, 2021, with a final strategic plan containing a specific list of projects, project costs, suggested fund sources, location information, and time frames.

This request is for \$70 million in new capital appropriations to fund new grants, contracts, interagency agreements, and staff to support aquatic species habitat restoration and flood damage reduction projects implemented under the Strategy. The 2021-23 Chehalis Basin Strategy project list is currently being developed by the Chehalis Basin Board, and expected to be finalized by December 2020. The project list is expected to include a combination of existing projects that require the next phase of funding, as well as new projects in need of initial funding.

For the 2021-23 Biennium, projects are proposed in the following categories:

- **Reach-Scale Habitat Projects.** Five current projects are in different phases of permitting, property acquisition, and construction; and new reach-scale projects will begin planning, project development and design phases. Reach-Scale Projects are prioritized and selected by a steering committee led by the Washington Department of Fish and Wildlife, the Quinault Indian Nation, and Confederated Tribes of the Chehalis Reservation. The steering committee makes recommendations to the Chehalis Basin Board.

- **Smaller-Scale Aquatic Species Habitat Protection and Restoration Projects (non-reach scale).** These projects include construction of the next round of priority fish-barrier corrections; headwater, groundwater, and streamflow protection projects; priority habitat property acquisitions; streamside riparian improvements; and other instream actions. Projects are scored and ranked by a committee comprised of agency, tribal, and conservation community experts.

- **Local and Community-scale Flood Damage Reduction Projects.** OCB and the Board are preparing for the next round of local Chehalis River Basin Flood Authority flood-damage reduction projects, and Community Flood Assistance & Resilience

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Project Title: 2021-23 Chehalis Basin Strategy

Description

(CFAR) activities. These will include landowner and local government technical assistance and structure retrofit/elevation/buyout projects. These projects are selected through competitive grant processes, overseen by the local flood authority and the OCB. The flood authority's local projects list will be available for the Chehalis Basin Board's review and approval by October 2020. The next round of CFAR projects will be solicited, reviewed, and prioritized by June 2021, based on preliminary solicitation responses received in summer 2020.

- **Large-Scale Flood Protection Projects.** These will include the next construction phase of the Aberdeen Hoquiam North Shore Levee; development and review of a basin-wide, non-dam alternative approach to flood damage reduction; and possible development of a mitigation plan and permit applications for the Chehalis Basin Flood Control Zone District's proposed flood retention dam and Chehalis-Centralia Airport levee improvements. The Chehalis Basin Board will decide whether to advance these projects and determine funding levels for the 2021-23 Biennium by December 2020, after additional evaluation of the feasibility of a non-dam alternative and the feasibility of potential mitigation for the identified impacts of the proposed dam on water quality, fish, and wildlife.

- **Integrated Flood and Fish Projects.** This includes planning, designing, and constructing the next phase of floodplain and stream channel improvements, such as off-channel storage and habitat, and channel migration and bank erosion projects designed to achieve Strategy flood damage reduction and habitat protection goals. The Board is still determining whether and how these projects will be categorized, prioritized, and funded.

Other projects under consideration include completing the evaluation of the relationship between contemporary forest practices and streamflows in the Basin; supporting the planning and design of projects that align aquatic species restoration while preserving Basin agriculture; monitoring and adaptive management for the overall Strategy (new flood reduction and/or aquatic species studies, data gaps, status and trends, project effectiveness); and performance reporting to meet HB 2856 requirements, including continued development of a phased implementation schedule and quantified measures for evaluating success. Specific integrated projects will be determined by the Chehalis Basin Board by December 2020.

Resources are also requested for OCB and Chehalis Basin Board Strategy Oversight. Funding will be used to staff the OCB and provide financial accountability and project management, technical assistance, and stakeholder coordination on individual projects. Additional FTEs are needed to provide technical support and manage flood-damage reduction and floodplain management-related projects in the Basin.

What opportunity or problem is driving this request?

The Legislature created the OCB and Chehalis Basin Board, and directed Ecology to use the Columbia River Basin Water Supply Program as the model to develop an integrated long-term strategy to manage water issues across a diverse set of interests in the 2,700 square-mile Chehalis River Basin. OCB is working hand-in-hand with the Chehalis Basin Board to develop and implement a strategy with two overarching objectives: reduce flood-related damages while restoring aquatic species habitat in the Chehalis Basin. OCB administers funding for the Chehalis Basin Strategy.

In February 2018, Lewis County and its incorporated cities led the state in payments for flood insurance claims. At the same time, the best available science shows that without aggressive actions to protect and restore habitat, salmon and other native aquatic species in the Basin will likely face federal ESA listing. The Chehalis Basin Strategy aims to reduce these trends. OCB 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 in the Basin on a local and basin-wide scale.

What are the specific benefits of this project?

This request will reduce damage from catastrophic flooding in the 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 make up the Chehalis Basin Strategy to create flood and climate-resilient systems that support human needs in the Basin. The comprehensive long-term strategy is comprised of a series of project elements: Some are already being implemented, while others are still being considered before being implemented in the future.

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Project Title: 2021-23 Chehalis Basin Strategy

Description

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 Chehalis Basin Strategy, flood damage to most will be reduced or eliminated, particularly communities upstream of Grand Mound, including Adna, Centralia, Chehalis, and Doty. It also includes the Newaukum River sub-basin and the downtown cores of Aberdeen and Hoquiam. The Strategy will establish a new Basin paradigm where resiliency and preparedness replace the cycle of repeated damage and recovery from floods.

Outside of the 100-year floodplains, there are about four times as many structures along the tributaries to the Chehalis River's mainstem. Between 25 and 75 percent of these structures can be protected in ways that reduces their exposure to flood damage and escalating flood insurance premium rates. Large-scale actions are also being developed to help ensure that I-5 through Centralia and Chehalis stays open during a 100-year flood. This will benefit Basin communities and regional travelers while avoiding local, state, national, and international economic disruptions.

During the 2021-23 Biennium, specific environmental benefits from planned habitat restoration work include barrier culvert-replacement projects to open fish access to more critical, quality upstream habitat. The aquatic habitat restoration plan also calls for completing the first of five one to two-mile-long stream reach improvements in the Basin while developing, planning, and designing the next set of reach-scale projects.

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 will protecting public infrastructure and other facilities. To advance their floodplain management policies and regulations, local governments benefit from OCB staff and consultant support, as well as funding to implement priority, local-scale flood-damage reduction projects. They also benefit from the synergy created by coordinating a planning and investment strategy that can be used across the basin.

This request will also provide economic benefits to the state by creating up to 360 jobs during the next two years based on Office of Financial Management estimates.

What are the effects of non-funding?

If we do not receive funding, Ecology would be unable to fulfill its Legislatively-mandated obligation when lawmakers established the OCB to aggressively pursue implementation of an integrated Chehalis Basin Strategy.

Non-injunction fish passage barriers, identified by the Department of Fish and Wildlife, Quinault Indian Nation, and Chehalis Tribe as high-priority for salmon, would not be corrected and would continue to block access to important upstream spawning and rearing habitat. These include local government barriers or culvers 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 build new partnerships with willing landowners to develop and design the next round of reach-scale habitat restoration projects, and willing sellers would be unable to receive compensation for conservation easements or fee title for their high priority habitat areas.

Grays Harbor, Lewis, and Thurston counties, as well as Basin cities and communities, would not receive the financial assistance they need to implement their highest-priority projects to protect public infrastructure, or get the technical assistance they need to help their residents reduce future flood damage by changing land use practices and incentivizing home elevations, flood proofing, and buyouts.

Basin residents seeking technical and financial assistance to avoid future flood damage by elevating, flood proofing, 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 2021-23 Biennium. HB 2856 established the OCB and Chehalis Basin Board to aggressively pursue development and implementation of an integrated strategy and

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial**Report Number:** CBS002**Date Run:** 9/3/2020 7:26PM**Project Number:** 40000387**Project Title:** 2021-23 Chehalis Basin Strategy

Description

administer funding for long-term flood damage reduction projects and aquatic species restoration activities in the Basin.

HB 1154, passed in 2020, directs the OCB to submit agency decision packages consistent with biennial amounts of prior requests (\$50 million in 2017-19 and \$73.2 million in 2019-21) for the 2021-23 Biennium, as well as out biennia.

Another option would be to fund some of the ongoing staffing in the operating budget with GF-State resources. Following past budget bill approaches, funding for these staff are requested here. Without capital funding and adequate staff resources, the Chehalis Basin Strategy cannot be implemented.

How will clients be affected and services change if this project is funded?

The Legislature created the OCB and Chehalis Basin Board to formalize efforts to address critical flooding and habitat issues in the Basin. This structure is bringing greater transparency, emphasis, and consistency to our efforts to put the Strategy in place. We still need to coordinate and prioritize all the disparate conservation and flood control projects being worked on in Basin by different local and state groups. Consistency is needed to coordinate projects and avoid having one project conflict with or undermine the benefits of another.

What is the agency's proposed funding strategy for the project?

Ecology is requesting State Building Construction Account funding for this request. In addition, OCB is working with the Washington Conservation Commission, the state Military Department's Emergency Management Division, and Washington's congressional delegation to secure federal funding to support implementing habitat restoration projects and flood mitigation projects. The OCB expect local-scale projects will require local matching funds to receive state capital grant funds through this request. While there are not strict local match requirements, the Board and Chehalis River Basin Flood Authority are requiring applicants to provide information about matching funds they have committed to projects and funds they hope to leverage. This information will be used to evaluate the feasibility of the projects, and may affect their prioritization.

Are FTEs required to support this project?

Consistent with approved allotments for the 2019-21 Biennium, Ecology is requesting a total base minimum of 15.3 FTEs to support the Chehalis Basin Strategy in 2021-23. A portion of these FTEs (6.6 direct FTEs) will staff the OCB, and provide financial accountability and project management, technical assistance, and stakeholder coordination on individual projects. OCB staff support the Chehalis Basin Board by organizing and coordinating with consultants and agency staff to plan, gather, and prepare information and presentations for Board meetings.

OCB staff also attend meetings held by the Aquatic Species Restoration Plan Steering Committee and Science Review Teams, Chehalis River Basin Flood Authority, Chehalis River Basin Flood Control Zone District, and Grays Harbor, Lewis, and Thurston conservation districts. Staff serve as the primary point of contact for Board members, local and tribal governments, other state and federal agencies, and other entities. OCB staff also provide media relations, communications and outreach support, budget preparation and management support, and administrative support for OCB.

Ecology had requested funding to staff the OCB in 2019-21 Operating Budget, but legislative direction was to fund the staff out of the capital project appropriation. Consistent with that direction, and staffing levels for the OCB during the 2019-21 Biennium, a portion of this capital request will be used to support:

- 1.0 FTE OCB Director
- 1.0 FTE Office Manager
- 1.0 FTE Lead Planner
- 1.0 FTE Projects and Deliverables Coordinator

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Project Title: 2021-23 Chehalis Basin Strategy

Description

- 1.0 FTE Community Flood Assistance & Resiliency (CFAR) Technical Assistance
- 1.0 FTE Aquatic Species Manager
- 0.35 FTE Budget Manager
- 0.25 FTE Communications Manager

The remaining direct FTEs will provide technical support and manage flood-damage reduction and floodplain management-related projects in the Basin. Work will include, but not be limited to, the following types of activities currently underway this biennium. Staff will evaluate the criteria being used to create future project lists for habitat restoration, flood resiliency, and local-scale flood damage reduction projects. Staff will also conduct watershed health and effectiveness monitoring in to support implementing the Basin aquatic species restoration plan.

Pending Board review and approval of the final project list for 2021-23, additional FTEs may be required to provide project and financial oversight of contracts and grants to ensure compliance with state law and Ecology policies, as well as increased technical assistance to local governments and landowners. Additional technical support for water quality monitoring and modeling, economic evaluations, the review of geotechnical engineering reports, and permitting associated with implementing local flood damage reduction and habitat restoration projects could be required.

FTE requirements for Ecology staff will vary each biennium, depending on the status the Strategy and specific steps planned for that time period. Additional details and breakdown of statewide staffing needs associated with this request will be included in the final project list, which is expected to be finalized by the Board by December 2020.

Please note, these FTEs would support both this new appropriation, as well as the related reappropriation projects under this capital program.

How does the project support the agency and statewide results?

This request is essential to implementing three goals in Ecology's strategic plan: to Support and engage our communities, customers, and employees; to Reduce and Prepare for Climate Impacts; and Protect and Manage Our State's Waters. The Legislature established the OCB within Ecology to aggressively pursue implementation of a collaboratively developed, integrated strategy for long-term flood damage reduction and aquatic species restoration in the Chehalis Basin. These objectives address climate change by preparing the Basin for predicted larger winter floods, sea level rise, and negative impacts to aquatic species from a warming climate and drier summers. They also include project benefitting populations within the basin with environmental justice concerns.

This request also provides essential support to the Governor's Results Washington Goals for Healthy and Safe Communities, Sustainable Energy and a Clean Environment, and a Prosperous Economy by taking action to prevent \$3.5 billion in damage to families and communities over the next 100 years. This is likely to be greater due to climate change. Also, while the Chehalis Basin currently has no ESA-listed salmon, implementing the aquatic habitat restoration plan will help prevent the continued decline of habitat conditions and species populations, and avoid the serious consequences an ESA listing could cause tribal, commercial, and recreational fishers.

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, Transportation, and Washington Conservation Commission. Details on these efforts will be included in the final project list for the 2021-23 Biennium, which is expected to be approved by the Board by December 2020. 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 Strategy. Funds have also been provided to the state Recreation and Conservation Office (RCO) for fiscal and contract management.

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Report Number: CBS002

Date Run: 9/3/2020 7:26PM

Project Number: 40000387

Project Title: 2021-23 Chehalis Basin Strategy

Description

What is the impact on the state operating budget?

None

Proviso

The OCB requests the following proviso language from the 2019-21 Capital Budget be included in the in the 2021-23 Capital Budget to ensure the necessary flexibility to meet program objectives, and the efficient administration of contracts. From Sec. 3020 – 2019-21 Capital Budget: The appropriation in this section is subject to the following conditions and limitations: (3) The office of Chehalis basin board has discretion to allocate the funding between subsections (x) and (x) of this section if needed to meet the objectives of this appropriation. (4) 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

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 Board is expected review the work proposed for the 2021-23 Biennium by December 2020 and will then provide the Governor and Legislature with an approved project list for the local flood reduction projects, and a description for the remaining work. 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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	350,000,000				70,000,000
	Total	350,000,000	0	0	0	70,000,000

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State	70,000,000	70,000,000	70,000,000	70,000,000

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 7:26PM

Project Number: 40000387

Project Title: 2021-23 Chehalis Basin Strategy

Funding

Total	70,000,000	70,000,000	70,000,000	70,000,000
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Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 7:32PM

Project Number: 40000391

Project Title: 2021-23 Sunnyside Valley Irrigation District Water Conservation

Description

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 17

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 percent of total project costs for the next four or five biennia. The Sunnyside Valley Irrigation District Phase 2 project cost is estimated at \$80 million, and Ecology's cost share is \$14 million over a 13 to 15 year construction period. This request includes \$4.281 million to continue the construction schedule for the state's share of the Yakima River Basin Water Enhancement Project in the 2021-23 Biennium. (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 in late summer and 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. That year, a federal court ruling required the United States Bureau of Reclamation (USBR) to release water from storage to avoid dewatering salmon nests. After that, 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 the Parker gage below Sunnyside Dam. The target in any particular year is tied to the amount of forecast runoff for that year. Provisions were also included to increase the target flows over time through water acquisition and investments in water conservation. Optimal flows for fish in the reach below Sunnyside Dam are about 1,200 cfs. The goal 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

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Project Number: 40000391

Project Title: 2021-23 Sunnyside Valley Irrigation District Water Conservation

Description

(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 Yakima River.

Reduced diversions will be 100 cfs per year, measured at milepost 0.60 on the Sunnyside Canal. SVID Phase I was for 54 cfs, and SVID Phase II was for 46 cfs. These phases were funded in previous budgets. 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 2B project 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 if they have an approved feasibility study. Roza and Kennewick Irrigation Districts have approved feasibility studies. Before a district can receive construction money, they must enter into a reversion reduction agreement to reduce the amount of USBR water that will be delivered to them.

Ecology requests funding for the 2021-23 Biennium based on the USBR construction schedule. This includes requests for SVID Phase II D funding.

The YRBWEP sets cost-sharing requirements for eligible projects of 65 percent USBR, 17.5 percent Washington State, and 17.5 percent local participation.

The project construction budget for the 2021-23 Biennium is \$4.2 million. Staffing resources to provide project management and oversight of these projects is roughly \$66,000 for the biennium and \$15,000 to maintain and update the grant or loan applications in the agency systems. Total project implementation costs are \$4.281 million for the 2021-23 Biennium. Projects included in the 2021-23 Biennium are noted below.

2019-21 Achievements:

Phase II C is expected to be completed during the 2019-21 Biennium and will have conserved approximately 2,172 acre-feet of water through the installation of 18.9 miles of closed pipe in addition to prior sub-phases. Final project implementation, conservation numbers and closeout of this phase is expected to commence by September 30, 2020.

Phase II D Request:

For the Enclosed Lateral Improvement Projects (ELIPS) Phase IID project, the Sunnyside Division Board of Control will replace concrete weir boxes and 16.7 miles of 2 open ditch laterals diverted from the main canal at canal mile post 51.87 and 51.18, with enclosed conduit pressure pipe (36" pipe) and flow meters. These laterals irrigate 2,929 acres and are located in the River diversion canal section on the Sunnyside Canal.

USBR will modify the funding agreement to add Fiscal Year 2020 funds. During the 2020-21 construction season, piping will be completed on 16.7 miles of lateral 51.87 and 51.18 with conserved water of 192 acre feet. Design and bids will be completed on an additional 4.5 miles on lateral 51.87 for the 2020/21 construction season. This project will also replace concrete weir boxes on both laterals 51.87 and 51.18. USBR anticipates modifying grant funding for Fiscal Year 2020 and 2021 and adding funding for Fiscal Year 2022 to complete construction, design and bid on additional pipeline for laterals 51.87 and/or 51.18 as well as design and scoping costs for Phase II E.

The Phase IIE five-year agreement is expected to be awarded in November 2020 (Federal Fiscal Year 2021). Estimated total funding for this agreement is \$10 million. Engineering design is expected to begin October 2020 and continue into 2025. Construction is expected to begin in October 2021 and be completed by March 2025. This agreement will pipe 21.5 miles of open laterals with an estimated 2,315 acft of conserved water annually. The agreement will expire September 30, 2025.

The federal fiscal year overlaps more than a single biennium of the state budget cycle. So Ecology is requesting funds to cover three federal fiscal years. Future phases and funding requests are expected to continue thorough 2042 to achieve necessary

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Project Title: 2021-23 Sunnyside Valley Irrigation District Water Conservation

Description

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 13 jobs during the next three years, based on estimates from the Office of Financial Management.

What are the effects of non-funding?

If funding is not received, Ecology would not be able to fulfill its 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 contained in the 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.

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 percent each, and the USBR share is 65 percent. 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 2019-21 Biennium.

How does the project support the agency and statewide results?

This request is essential to implementing the following goals in Ecology's strategic plan:

- Support and engage our communities, customers, and employees.
- Protect and manage our state's waters.

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Description

This also supports the Governor's Results Washington Goal 3: Sustainable Energy and a Clean Environment, and the Governor's priority for Economy and Outdoor Recreation. It supports both the Ecology plan and Governor's results by:

Providing infrastructure within local communities to support improved water use efficiency and improve instream flows for local economic and environmental benefit.

- Encouraging the voluntary reduction in water diverted from the Yakima River to further the YRBWEP goals and help drought proof local communities.

- Reducing on-farm water use (but still allowing crops to be grown) 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).

- 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 to 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.

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 as a result 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.

What is the impact on the state operating budget?

None

Proviso

N/A

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Grants

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Project Number: 40000391

Project Title: 2021-23 Sunnyside Valley Irrigation District Water Conservation

Description

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	21,405,000				4,281,000
	Total	21,405,000	0	0	0	4,281,000

Future Fiscal Periods

		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State	4,281,000	4,281,000	4,281,000	4,281,000
	Total	4,281,000	4,281,000	4,281,000	4,281,000

Operating Impacts

No Operating Impact

SubProjects

SubProject Number: 40000392

SubProject Title: Sunnyside Valley Irrigation District

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Project Number: 40000391

Project Title: 2021-23 Sunnyside Valley Irrigation District Water Conservation

SubProjects

SubProject Number: 40000392

SubProject Title: Sunnyside Valley Irrigation District

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 17

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 percent of total project costs for the next four or five biennia. The Sunnyside Valley Irrigation District Phase 2 project cost is estimated at \$80 million, and Ecology's cost share is \$14 million over a 13 to 15 year construction period. This request includes \$4.281 million to continue the construction schedule for the state's share of the Yakima River Basin Water Enhancement Project in the 2021-23 Biennium. (State Building Construction Account)

Project Description

Piping of Lateral Water Distribution System to include Phase IID that will replace concrete weir boxes and 16.7 miles of 2 open ditch laterals diverted from the main canal at canal mile post 51.87 and 51.18, with enclosed conduit pressure pipe (36" pipe) and flow meters

Proviso

N/A

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: N/A

Application process used

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Expenditures			2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reappropriates	New Appropriates
057-1	State Bldg Constr-State	4,200,000				4,200,000
	Total	4,200,000	0	0	0	4,200,000
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

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Project Title: 2021-23 Sunnyside Valley Irrigation District Water Conservation

SubProjects

SubProject Number: 40000392

SubProject Title: Sunnyside Valley Irrigation District

Operating Impacts

No Operating Impact

SubProject Number: 40000393

SubProject Title: Ecology Project Staff

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 17

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 percent of total project costs for the next four or five biennia. The Sunnyside Valley Irrigation District Phase 2 project cost is estimated at \$80 million, and Ecology's cost share is \$14 million over a 13 to 15 year construction period. This request includes \$4.281 million to continue the construction schedule for the state's share of the Yakima River Basin Water Enhancement Project in the 2021-23 Biennium. (State Building Construction Account)

Project Description

Staff to provide project implementation and oversight.

Proviso

N/A

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

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Project Number: 40000391

Project Title: 2021-23 Sunnyside Valley Irrigation District Water Conservation

SubProjects

SubProject Number: 40000393

SubProject Title: Ecology Project Staff

Funding

Acct Code	Account Title	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
057-1	State Bldg Constr-State	66,000			66,000
	Total	66,000	0	0	66,000

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000394

SubProject Title: Ecology EAGL Support

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 17

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 percent of total project costs for the next four or five biennia. The Sunnyside Valley Irrigation District Phase 2 project cost is estimated at \$80 million, and Ecology's cost share is \$14 million over a 13 to 15 year construction period. This request includes \$4.281 million to continue the construction schedule for the state's share of the Yakima River Basin Water Enhancement Project in the 2021-23 Biennium. (State Building Construction Account)

Project Description

Maintenance of Ecology's Administration of Grants & Loans (EAGL) system.

Proviso

N/A

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Grants

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Project Number: 40000391

Project Title: 2021-23 Sunnyside Valley Irrigation District Water Conservation

SubProjects

SubProject Number: 40000394

SubProject Title: Ecology EAGL Support

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriates	New Appropriates
057-1	State Bldg Constr-State	15,000				15,000
	Total	15,000	0	0	0	15,000
Future Fiscal Periods						
		<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

SubProject Number: 40000398

SubProject Title: 2021-23 Sunnyside Val Irr Distr Wtr Cons Ten-Year Financial Plan

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Project Number: 40000391

Project Title: 2021-23 Sunnyside Valley Irrigation District Water Conservation

SubProjects

SubProject Number: 40000398

SubProject Title: 2021-23 Sunnyside Val Irr Distr Wtr Cons Ten-Year Financial Plan

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 17

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 percent of total project costs for the next four or five biennia. The Sunnyside Valley Irrigation District Phase 2 project cost is estimated at \$80 million, and Ecology's cost share is \$14 million over a 13 to 15 year construction period. This request includes \$4.281 million to continue the construction schedule for the state's share of the Yakima River Basin Water Enhancement Project in the 2021-23 Biennium. (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: N/A

Application process used

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	17,124,000				
	Total	17,124,000	0	0	0	0

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State	4,281,000	4,281,000	4,281,000	4,281,000
	Total	4,281,000	4,281,000	4,281,000	4,281,000

Operating Impacts

No Operating Impact

Ecology 2021-23 Capital Budget Project List
Sunnyside Valley Irrigation District (SVID)
SVID Projects
8/26/2020



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 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 Yakima River. 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 share is 17.5 percent each, and the USBR share is 65 percent. USBR will manage the individual construction projects. Projects included below implement the settlement agreement.

Rank	Recipient	Cost	Project Description	Estimated Start	Site Address	City	County	Leg. District	Lat.	Long.
1	Sunnyside Valley Irrigation District	4,200,000	Piping of Lateral Water Distribution System to include Phase IID that will replace concrete weir boxes and 16.7 miles of 2 open ditch laterals diverted from the main canal at canal mile post 51.87 and 51.18, with enclosed conduit pressure pipe (36" pipe) and flow meters	07/01/2021	120 S. 11th Street	Sunnyside	Yakima	15,16	46.33	-120.01
1	Ecology Project Staff	66,000	Staff to provide project implementation and oversight.	07/01/2021	Various	Various	Yakima	15,16	Various	Various
1	Ecology EAGL Support	15,000	Maintenance of Ecology's Administration of Grants & Loans (EAGL) system.	07/01/2021	Various	Various	Yakima	15,16	Various	Various
TOTAL		4,281,000								

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Project Number: 40000339

Project Title: 2021-23 State Match - Water Pollution Control Revolving Program

Description

Starting Fiscal Year: 2022

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, or 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. 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. An annual federal capitalization grant must be matched with 20 percent state funds. Ecology is requesting \$15 million from the State Taxable Building Construction Account (STBCA) for the 20 percent state match to the \$75 million anticipated federal capitalization grant. The match must be deposited directly into the Water Pollution Control Revolving Account based on federal and state accounting and audit requirements. This funding will support the CWSRF loan program capital requests for new and reappropriated projects. 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 or protect water quality in their communities. Ecology makes loans available through a statewide, competitive rating and ranking process. Since its creation in 1989, the CWSRF program has loaned more than \$2 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:

-\$15 million from State Taxable Building Construction Account for state match for new federal capitalization grants.

Note: This request is related to Ecology's 2021-23 Capital Request for \$300 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.
- 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 resiliency.
- Stormwater planning.
- Non-point pollution from agricultural, forested, and urban areas.
- Failing onsite sewage systems.

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Project Number: 40000339

Project Title: 2021-23 State Match - Water Pollution Control Revolving Program

Description

-Water quality needs of financially distressed communities.

Continued funding of the state match for the capitalization grant is critical for helping Washington's local governments, special purpose districts, and recognized tribes update and improve water quality infrastructure and implement associated water quality projects focused on protecting and improving water quality and public health.

Challenges and financial impacts to communities will be magnified over the 2021-23 Biennium due to the impacts of COVID-19 on water utilities due to reduced revenue from business and residential bill non-payment. These added pressures will increase the needs for affordable financing of critical improvements to water quality infrastructure.

CWSRF statutory requirements, administrative rule uses and limitations, and program and agency policy provide the framework for the Funding Guidelines, including:

-Chapter 173-98 WAC, Uses and Limitations of the Water Pollution Control Revolving Fund

-Chapter 70.146 RCW, Water Pollution Control Facilities Financing

-Chapter 90.50A RCW, Water Pollution Control Facilities

-Administrative Requirements for Recipients of Ecology Grants and Loans Managed in EAGL

-Chapter 173-240 WAC, Submission of Plans and Reports for Construction of Wastewater Facilities

-Chapter 90.46 RCW, Reclaimed Water Use

-RCW 70.235.070, Distribution of Funds Prerequisites: Greenhouse gas emissions. Please see attached applicant requirements for greenhouse gas emissions reduction.

What are the specific benefits of this project?

The CWSRF loan program provides low-interest loans to local governments, special purpose districts, and 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, 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 can save communities millions in interest payments compared to local government bond issuance.

What are the effects of non-funding?

If this request is not funded, federal capitalization grant funding would be lost. Local governments, special purpose districts, and 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

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Project Number: 40000339

Project Title: 2021-23 State Match - Water Pollution Control Revolving Program

Description

communities to address failing water quality infrastructure. The jobs, water quality and public health improvements associated with \$75 million in federal capitalization grant 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 the federal capitalization grant 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; and creating jobs and improving economic health.

What is the agency's proposed funding strategy for the project?

The WPCRA and its dedicated revenue sources support the CWSRF loan program. Dedicated revenue sources include:

- Yearly capitalization grants from the Environmental Protection Agency authorized by Congress in the federal budget process.
- State match (20 percent) – required under the federal Clean Water Act of 1987 – transferred into the fund from the STBCA.
- Principal and interest repayments by loan recipients.
- Interest earned on the fund balance by investments from the 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 typically awards half of the funds available for the biennium at the beginning of each fiscal year.

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 implementing following goals in Ecology's strategic plan:

-Goal 1: Support and Engage our Communities, Customers, and Employees - Through Ecology's integrated Water Quality Financial Assistance Program, which continues to provide one-application and rating and ranking process to award funding from four separate funding sources, including CWSRF.

-Goal 2: Reduce and Prepare for Climate Impacts - CWSRF funded projects often help communities prepare for climate impacts and integrate climate resiliency and long term sustainability. Examples are reclaimed water and water reuse facilities that help small communities be resilient and sustainable in water-short areas, and increased stream buffers and native vegetation to help address stream flow dynamics, temperature impacts, and carbon sequestration, in addition to improving

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Report Number: CBS002

Date Run: 9/3/2020 2:53PM

Project Number: 40000339

Project Title: 2021-23 State Match - Water Pollution Control Revolving Program

Description

water quality.

-Goal 4: Protect and Manage our State Waters and Goal 5 Protect and Restore Puget Sound - By continuing to fund projects for water pollution control infrastructure and projects that reduce nonpoint pollution and nutrient discharges.

This request provides essential support to several of the Governor's Results Washington Goals, including:

-Goal 2: Prosperous Economy, by providing opportunities for quality jobs when a new wastewater system is constructed or an existing system is repaired or upgraded. State financial managers calculate that about 11 jobs in Washington are created for every \$1 million spent for construction and design. 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, by providing 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 by funding projects that address the impacts of climate change and improving community resiliency through support of long term multi-benefit solutions to impacts from water pollution, including nutrients and temperature. CWSRF supports economic security by providing grant subsidy to small hardship communities to protect public health while keeping utility rates reasonable. CWSRF supports Environmental Justice issues by addressing needs in low income communities through low or no interest loans in conjunction with forgivable principal to reduce residential rate impacts.

-Goal 5: Efficient, Effective, and Accountable Government by creating an efficient and streamlined approach for communities to apply for and access funding resources through an integrated water quality financial assistance program. CWSRF is part of an integrated funding system that streamlines the application and award process for funding critical water quality projects. The system is reviewed and updated annually to make efficiency improvements based on internal and external stakeholder input.

This request directly supports the 2018-2022 Puget Sound Action Agenda Implementation Plan through the following Ongoing Program: Water Quality - Provide Financial Assistance. Per the Implementation Plan, "The magnitude of work to protect and recover Puget Sound that occurs through ongoing programs cannot be overstated—ongoing programs are recognized as the critical foundation for Puget Sound recovery."

This request also supports the following 2018 Regional Priorities and Regional Priority Approaches:

-CHIN2.5 - Address and manage water quality parameters, including: excess nutrient loading (such as nitrogen) for all sources, and with specific attention to pathways associated with wastewater treatment outfalls; elevated temperatures; sediment; and Toxics.

-CHIN2.6 - Incentivize and accelerate stormwater management for new and existing development.

-CHIN7.1 - Protect and/or restore critical habitat for salmon populations.

-TIF1 - Enhance pollutant reduction programs and corrective measures, and increase authorities and programs to prevent toxic chemicals from entering Puget Sound.

-TIF2 - Address stormwater treatment.

-LDC 3 - Implement integrated strategies and policies to protect and restore ecologically important lands.

-BIB1 - Increase local capacity to manage stormwater programs.

-BIB2 - Provide education and incentives for legacy retrofits.

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Description

-BIBI3: Facilitate the increased use or performance of best management practices in working/rural lands.

-BIB5 - Conduct watershed-scale planning to protect and restore water quality.

-FUND 1.2 - Explore and utilize new sources of funding, and enhance existing sources of funding.

-ORCA1 - Implement the Governor's Southern Resident Orca Task Force recommendations, as well as the Chinook salmon and Toxics in Fish Implementation Strategies.

This request also supports efforts under the Governors' Executive Order 18-02, Southern Resident Orca Recovery and Task Force, by funding projects that reduce toxic pollutant migration to Puget Sound so that Southern Resident orca exposure to toxics is reduced. Specific supported Task Force recommendations include:

-Recommendation 1 - Significantly increase investment in restoration and acquisition of habitat in areas where Chinook stocks most benefit Southern Resident orcas.

-Recommendation 31 - Reduce stormwater threats and accelerate clean-up of toxics harmful to orcas.

-Recommendation 34 - Provide sustainable funding for implementation of all recommendations.

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 venues, 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, DOH, Commerce, 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 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 also allows us to better serve small, financially challenged communities that receive CWSRF loan and Centennial grant assistance.

What is the impact on the state operating budget?

There are no related decision packages in the Operating Budget.

Proviso

Note: Federal and state regulations require match funding be deposited directly into the WPCRA. The following proviso language is the mechanism for that: \$15 million of the appropriation must be transferred to the Water Pollution Control Revolving Account.

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Date Run: 9/3/2020 2:53PM

Project Number: 40000339

Project Title: 2021-23 State Match - Water Pollution Control Revolving Program

Description

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Grants

Grant Recipient Organization: Public entities, local gov'ts, special purpose districts, quasi municipalities, fed. 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. 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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
355-1	St. Bld Const Acct-State	75,000,000				15,000,000
	Total	75,000,000	0	0	0	15,000,000

Future Fiscal Periods

	Account Title	2023-25	2025-27	2027-29	2029-31
355-1	St. Bld Const Acct-State	15,000,000	15,000,000	15,000,000	15,000,000
	Total	15,000,000	15,000,000	15,000,000	15,000,000

Operating Impacts

No Operating Impact

Water Pollution Control Revolving Fund 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 2022 Water Quality Financial Assistance Funding Guidelines <https://fortress.wa.gov/ecy/publications/SummaryPages/2010024.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 2020) 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.

Capital Project Request

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Report Number: CBS002

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Project Number: 40000388

Project Title: 2021-23 Coastal Wetlands Federal Funds

Description

Starting Fiscal Year: 2022

Project Class: Grant - Pass Through

Agency Priority: 27

Project Summary

Ecology is requesting appropriation authority for the National Coastal Wetland Conservation grant program, administered by the U.S. Fish & Wildlife Service. This grant program 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. Ecology administers the pass through of these federal grants to other state or local government entities. Ecology requests \$8.0 million in federal capital appropriation authority for the 2021-23 Biennium in case we are successful in receiving additional grants. Related to Puget Sound Action Agenda. (General Fund-Federal)

Project Description

What is the proposed project?

Ecology is requesting \$8.0 million in General Fund-Federal appropriation authority for a federal grant program that funds acquisition of coastal and estuarine wetlands and associated lands. Since 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 2021-23 Biennium. We will not know until applications are submitted and grants awarded. This request depends on our success competing for federal National Coastal Wetland Conservation grants.

The competitive National Coastal Wetland Conservation grant program is run by the U.S. Fish and Wildlife Service (USFWS). Coastal and Great Lakes states and U.S. territories are eligible to apply for funds while sub-grantees such as land trusts and local and tribal governments can hold the acquired land. Funding nationwide is about \$20.0 million per year. In Washington, state agencies eligible to apply for funds are the Department of Fish and Wildlife (DFW), the Department of Natural Resources (DNR), the Washington State Parks and Recreation Commission (State Parks), and Ecology. 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 is \$1 million, and a 25-35 percent state-local match is required.

This placeholder appropriation request is based on our experience during the last five biennia, rather than specific funded projects, since 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

In Fiscal Year 2020, we secured \$5 million in grant funding for seven coastal wetland restoration projects—more grant funding for more projects than any other state in the nation. In fiscal year 2021, we received \$4.2 million, and, over the last 30 years, we've been successful in securing about \$122 million used to conserve more than 13,000 acres of coastal wetlands and shorelines in Western Washington.

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To be competitive, projects need to contain more than 50 percent of total acreage in “nationally declining wetland types”. Some types of eligible lands include:

- 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.

Grant Application and Award Schedule

In January and February, Ecology staff began contacting potential grant applicants and discussing projects. Ecology's lead staff person is in contact with state and federal agencies, local and tribal governments, and non-governmental organizations looking for potential projects. Our lead is a member of the Natural Heritage Advisory Council and attends Pacific Coast Joint Venture meetings, both venues for reaching potential grant applicants. Ecology also posts notices of grant availability on our website.

In March, Ecology staff and USFWS biologists typically visit each potential project site to talk with potential applicants about their projects, what they hope to accomplish, where they'll get matching funds, and to let them know if their projects will be competitive at the national level. USFWS staff also give applicants tips regarding 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 every year. These drafts need to be fairly complete. 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 in the past. When we receive biologists' comments in June, applicants revise their applications, and then 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. In December, the U.S. Interior Secretary 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 landowners.

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 Sound 2007" report found an overall decrease in water quality, habitat, and species. Those challenges, coupled with increased risks due to climate change, demonstrates the Puget Sound basin is at great environmental risk. The Partnership's 2018-2022 Action Agenda identified habitat loss as a major threat to salmon and other species. The Action Agenda notes that we have lost 80 percent of our estuarine and freshwater marsh habitats. Permanently protecting shoreline properties is one way to protect 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. 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 while ensuring shorelines function in a natural manner.

What are the specific benefits of this project?

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Project Title: 2021-23 Coastal Wetlands Federal Funds

Description

The environmental benefits of funding this request include mitigating the impacts of sea level rise, protecting water quality, conserving salmon habitat, protecting and improving habitat for other native fish and wildlife species in Puget Sound and marine shorelines along the ocean coast.

These acquisitions benefit local and tribal governments, and non-governmental organizations working to protect salmon habitat throughout Western Washington, especially Puget Sound. Our local partners often lack the funding or matching funds to restore aquatic species habitat without this federal grant funding. This grant program benefits communities by increasing public access to shoreline areas while preserving cultural resources. In 1996, we conducted a public perception survey of the state Shoreline Management Act. The surveys found that eight out of 10 people visit a shoreline at least several times a year, while half of state residents see a shoreline on a daily basis. The majority of people go to the shore for nature and natural beauty. 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 will continue to decline.

Projected population growth, especially in Puget Sound, will put more pressure on an already scarce resource while demands for more shoreline access and recreational opportunities will increase. The adverse effects of increasing residential and commercial development on the shoreline would be magnified.

Permanently conserving these natural resources will protect these natural resources forever and help protect water quality, lower flood risks, improve habitat, and offer 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 more expensive. Some losses would likely never be restored. Future generations would have fewer opportunities for recreational activities on Puget Sound and the state's coastal shorelines.

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.

How will clients be affected and services change if this project is funded?

While Ecology does not have a dedicated state funding source for land conservation, we have been successful over the last 16 years in getting pass-through funding through the USFWS's National Coastal Wetland Conservation grant program. State agencies currently have the opportunity to acquire lands with funding through the state Recreation and Conservation Office (RCO). This state funding from the RCO can be used to meet the 25 percent match requirement under the National Coastal Wetland Conservation grant program.

The other state resource agencies 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 those 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 partners in habitat conservation.

What is the agency's proposed funding strategy for the project?

Proposed acquisition projects are wholly dependent on funding through federal grants. If Ecology does not receive grants, the

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Project Number: 40000388

Project Title: 2021-23 Coastal Wetlands Federal Funds

Description

projects cannot go forward.

Are FTEs required to support this project?

This project requires a total of 0.52 FTE. This is a similar level of FTEs currently supporting this capital project during the 2019-21 Biennium. An Environmental Planner 3 (0.45 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 the 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 \$15,000 to \$20,000 to manage and administer each grant award.

How does the project support the agency and statewide results?

This project is essential for implementing a goal in Ecology's strategic plan to Protect and Restore Puget Sound, by acquiring important and high-quality wetlands throughout the Puget Sound basin.

This project supports the Governor's Results Washington Goal 3: Sustainable Energy and a Clean Environment, by acquiring sites and protecting valuable estuarine habitat from degradation.

This project also makes a key contribution toward Keeping Puget Sound Ecosystem Healthy by providing funding to acquire and protect important coastal resources.

Some projects conserve cultural sites along the shoreline used by Native Americans. The project also makes shoreline and wetland areas publicly accessible outdoor recreation, subsistence harvesting, and protecting cultural resources. As people visit these coastal systems, they become more vested in protecting them.

This project supports the Puget Sound Action Agenda implementation through the following Regional Priorities:

- CHIN1: Protect all remaining salmon habitat, optimize function gain, and improve region-wide accountability.
- CHIN7: Continue to restore degraded fish habitat, via projects in Lead Entities' four-year work plans.
- EST1: Enable greater local planning capacity to develop and implement multi-benefit estuary restoration.
- LDC3: Implement integrated strategies and policies to protect and restore ecologically important lands.

Acquiring sensitive wetland and shoreline habitats contributes to all of these priorities by protecting their habitat values for future generations. Acquisition projects often have restoration work as well contributing to habitat restoration.

This project also supports the Puget Sound Action Agenda implementation through the following Strategies and Sub-strategies:

- Strategy 2: Protect and restore upland, freshwater, and riparian ecosystems and Sub-Strategy 2.1: Protect and conserve ecologically important lands at risk of conversion by acquiring and protecting important coastal wetlands in and around Puget Sound.
- Strategy 16: Protect and restore nearshore and estuary ecosystems and Sub-Strategy 16.2: Implement prioritized nearshore and estuary restoration projects and accelerate projects on public lands by acquiring and protecting sensitive nearshore habitats and protecting Puget Sound shoreline processes and habitats.

How will the other state programs or units of government be affected if this project is funded?

Because the National Coastal Wetlands Conservation program requires a state agency to be the applicant for funds, Ecology

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Project Title: 2021-23 Coastal Wetlands Federal Funds

Description

works with other state and federal agencies, local and tribal governments, and NGOs to apply for the grants.

What is the impact on the state operating budget?

None.

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriates	New Appropriates
001-2	General Fund-Federal	40,000,000				8,000,000
	Total	40,000,000	0	0	0	8,000,000

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
001-2	General Fund-Federal	8,000,000	8,000,000	8,000,000	8,000,000
	Total	8,000,000	8,000,000	8,000,000	8,000,000

Operating Impacts

No Operating Impact

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Capital Project Request

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 4:01PM

Project Number: 40000375

Project Title: 2021-23 Freshwater Aquatic Invasive Plants Grant Program

Description

Starting Fiscal Year: 2022

Project Class: Grant - Pass Through

Agency Priority: 28

Project Summary

This request is a technical adjustment to move funding for the Freshwater Aquatic Invasive Plants Grant program from the operating budget to the capital budget, similar to many other pass-through funding programs. Doing so will allow communities more predictable and durable funding for their local projects. A more efficient and effective program will mean fewer aquatic invasive plants impacting the lakes and streams in our communities. (Freshwater Aquatic Weeds Account)

Project Description**What is the proposed project?**

The Aquatic Invasive Plants Grant program was established in the operating budget in 1991. Ecology proposes shifting this program entirely to the capital budget so that we can more closely manage fund balances to maximize the number of projects funded, which will provide more certainty and continuity in funding to local jurisdictions. This will result in more lakes being treated to prevent the spread of freshwater aquatic weeds.

The Freshwater Aquatic Weeds Account was established in 1991 and funded through an annual three-dollar license fee assessed to the owners of boat trailers. 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 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. 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.

- 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).

- Early Infestation Projects to control invasive, non-native, freshwater, aquatic plants discovered in the pioneer stages of growth in a lake, river, or stream.

Both this grant program, and the Freshwater Algae Grant program (which is detailed in a separate Capital Project Request), operate on an annual funding cycle for projects. The application period begins October 15th and closes on November 15th 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. Ecology publishes the list of projects proposed for funding in late January/early February of each year.

The maximum aquatic invasive plant control grant is \$75,000, planning grants are limited to \$30,000, and early infestation projects are limited to \$50,000. Ecology issues about 10 grants each year. General aquatic plant projects require 25 percent local match, while pilot projects and early infestation projects require 12.5 percent local match.

This request is for funding in the capital budget for the "Freshwater Aquatic Invasive Plants Grant Program" for \$1.7 million Freshwater Aquatic Weeds Account (fund 222).

There is a corresponding request in the operating budget to remove operating dollars for this grant program and the Freshwater Algae Grant Program. There is also a corresponding request in the capital budget to add funding for the Freshwater Algae Grant Program for \$730,000, Aquatic Algae Control Account (fund 10A).

What opportunity or problem is driving this request?

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 4:01PM

Project Number: 40000375

Project Title: 2021-23 Freshwater Aquatic Invasive Plants Grant Program

Description

Over the years it has become increasingly difficult to manage this program across biennial lines as part of an operating budget appropriation. Projects funded with these pass-through dollars cross biennia, and Ecology is limited by the amount of appropriation authorized every two years. Grants are awarded annually to address emerging needs and normally have a two year timeline. Those projects awarded in the second year of a biennium, and finished in the first year of the next biennium, are difficult to manage across that threshold. When planned spending does not occur by the end of a biennium, it leaves unspent revenue in the account that can't be accessed. This also means that additional funding from the next biennial operating budget must be used to complete these grants that underspent, which reduces the amounts available for grants in the new biennium.

While there is greater need in communities than Ecology can fund, we keep returning dollars to the accounts because our best estimates for operating spending across biennial lines do not always transpire as planned. Ecology works closely with the recipients to get good spending estimates at the end of each biennium, but the seasonality of this work through the spring and summer makes it difficult to predict whether the bulk of work will occur before or after June 30th, and we cannot overspend our biennial appropriation.

While these are not traditional bricks-and-mortar capital projects, the work achieved can lead to on-the-ground implementation of best management practices and these projects are often linked with other capital funded restoration projects. Effective aquatic invasive plant control measures provide long-term economic and public health benefits in the same water body or watershed. These grants help to control aquatic invasive plants, improve the waters essential for fish and other wildlife habitat, and help safeguard the places where people live, work, and play.

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, 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.

By moving these programs to the capital budget, Ecology can ensure that every dollar of this dedicated funding goes to communities for the purposes intended, which helps protect the environment, human health, and the value of the places where people live, work and recreate. This proposed budget shift will help avoid decreases in available grant funding due to project delays in one biennium that reduces available appropriation authority to fund new projects in the next.

What are the effects of non-funding?

If this request is not approved, Ecology would continue the less efficient process of running Aquatic Algae and Invasive Plant grants through the operating budget, and leave revenue specifically designated for this work unspent each biennium due to projects crossing biennial budget lines.

Why is this the best option or alternative?

Ecology could request the dedicated accounts be characterized as "non-appropriated", which would allow us to utilize whatever fund balance is available. But that would require legislative action to change the account to non-appropriated in RCW 43.21A.660. Ecology would likely not have support in running a bill to make these minor changes in light of other priority policy issues, and the Legislature prefers accounts be appropriated.

Ecology considered moving to a two-year grant cycle, aligned with the biennium, to address this issue. However, the seasonal nature of invasive plant infestations, and the unanticipated occurrence of infestations from one year to the next, requires making these funds available every year to quickly address emerging issues.

How will clients be affected and services change if this project is funded?

If this request is approved, more funding and project implementation flexibility would be made available to state, tribes, and local government partners, which would be supported. Input from stakeholders has been focused on the need for additional

Capital Project Request

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Date Run: 9/3/2020 4:01PM

Project Number: 40000375

Project Title: 2021-23 Freshwater Aquatic Invasive Plants Grant Program

Description

resources to support these programs as the frequency and intensity of invasive, non-native aquatic plant infestations are increasing in Washington waters.

What is the agency's proposed funding strategy for the project?

The Legislature established funding for the Freshwater Aquatic Plants grant program through an annual three-dollar license fee assessed to the owners of boat trailers. Ecology funds this grant program with revenue generated from these fees.

Funding for this project includes \$15,000 to maintain and update the grant or loan applications in the agency systems.

Are FTEs required to support this project?

This project requires 1.96 FTE to oversee and manage the grant process and provide technical assistance, as well as to conduct inventories of aquatic plants species statewide and perform follow-up inventories of Ecology grant-funded aquatic weed control projects to determine effectiveness.

How does the project support the agency and statewide results?

This request is essential to implementing goals in Ecology's strategic plan to:

- Support and engage our communities, customers, and employees by impacting communities located in areas with considerable diversity, both culturally and economically. Improving the health of freshwater lakes provides social, environmental, and economic health equity for all those who live, work, and play there.
- Reduce and prepare for climate impacts by restoring the natural conditions that prevent toxic algae blooms it improves habitat for fish and other species in Washington's freshwater lakes, which increases their resiliency to adapt to conditions caused by climate change.
- Prevent and reduce toxic threats and pollution by reducing algae blooms because toxic algae blooms can make people, pets, and livestock sick.
- Protect and manage our state's waters by integrating restoration efforts that provide cool waters and healthy lakes that support fish and wildlife.

These grant funded projects help plan and implement restoration of natural conditions that prevent toxic algae blooms. Supporting habitat for fish and other species in Washington's freshwater lakes, which increases the resiliency for adapting to changing climate conditions, helps reduce toxic threats from aquatic invasive plant infestation, and integrates restoration efforts to provide cool waters and healthy lakes that support fish and wildlife.

This request provides essential support to the Governor's Results Washington Goal 3: Sustainable Energy and a Clean Environment and Goal 4: Healthy and Safe Communities because invasive, non-native aquatic plants are a serious threat to the health of lakes, rivers, and streams in Washington State and excessive invasive plant growth impairs fish and wildlife habitat and restricts recreational activities. Restoring natural habitat for fish and other native species in Washington's freshwaters, and improving waterbodies in communities for safe recreation.

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 stakeholders that receive this funding to address aquatic invasive infestations, would be supportive of the flexibility and efficiency provided by this proposal.

461 - Department of Ecology Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 4:01PM

Project Number: 40000375

Project Title: 2021-23 Freshwater Aquatic Invasive Plants Grant Program

Description

What is the impact on the state operating budget?

This project is related to the operating performance decision package titled "Move Aquatic Grants to Capital".

The operating request is a technical adjustment to move funding for the Freshwater Aquatic Invasive Plants Grant program from the operating budget to the capital budget, which will be accomplished with this capital budget request. Doing so will allow communities more predictable and durable funding for their local projects. A more efficient and effective program will mean fewer aquatic weeds affecting the lakes and streams in our communities.

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 Plants Grant program runs on an annual funding cycle for projects. The application period begins October 15th and closes on November 15th 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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriates	New Appropriates
222-1	Freshwtr Aqua Weeds-State	8,500,000				1,700,000
	Total	8,500,000	0	0	0	1,700,000

Future Fiscal Periods

Acct Code	Account Title	2023-25	2025-27	2027-29	2029-31
		Estimated	Estimated	Estimated	Estimated
222-1	Freshwtr Aqua Weeds-State	1,700,000	1,700,000	1,700,000	1,700,000
	Total	1,700,000	1,700,000	1,700,000	1,700,000

Operating Impacts

No Operating Impact

**461 - Department of Ecology
Capital Project Request**

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 4:01PM

Project Number: 40000375

Project Title: 2021-23 Freshwater Aquatic Invasive Plants Grant Program

Operating Impacts

Narrative

This project is related to the operating performance decision package titled "Move Aquatic Grants to Capital". The operating request is a technical adjustment to move funding for the Freshwater Aquatic Invasive Plants Grant program from the operating budget to the capital budget, which will be accomplished with this capital budget request.

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 4:05PM

Project Number: 40000376

Project Title: 2021-23 Freshwater Algae Grant Program

Description

Starting Fiscal Year: 2022

Project Class: Grant - Pass Through

Agency Priority: 29

Project Summary

This request is a technical adjustment to move funding for the Freshwater Algae Grant program from the operating budget to the capital budget, similar to many other pass-through funding programs. Doing so will allow communities more predictable and durable funding for their local projects. A more efficient and effective program will mean fewer toxic algae blooms affecting the lakes and streams in our communities. (Aquatic Algae Control Account)

Project Description**What is the proposed project?**

In 2005, the Legislature established funding for the Freshwater Algae Grant program (RCW 43.21A.667) through an annual one-dollar license fee assessed to the owners of boats. A small amount of funding goes toward technical assistance to applicants and the public about aquatic algae control. Most of the funding is distributed as grants to communities for:

- Managing excessive freshwater harmful algal blooms, with priority for the treatment of lakes in which harmful algal blooms have occurred within the past three years;
- Nuisance algae monitoring and removal.

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.

Ecology proposes shifting this program entirely to the capital budget so that we can more closely manage fund balances to maximize the number of projects funded, which will provide more certainty and continuity in funding to local jurisdictions. This will result in more lakes being treated to prevent harmful algal blooms.

Both this grant program, and the Freshwater Aquatic Invasive Plants Grant program (which is detailed in a separate Capital Project Request), operate on an annual funding cycle for projects. The application period begins October 15th and closes on November 15th 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. Ecology publishes the list of projects proposed for funding in late January/early February of each year.

The maximum aquatic algae grant is \$50,000, and Ecology issues from three to five grants each year.

Grant recipients must provide 25 percent match in the form of cash, inter-local costs, or in-kind contributions.

This request is for funding in the capital budget for the "Freshwater Aquatic Algae Grant Program" for \$730,000, Aquatic Algae Control Account (fund 10A).

There is a corresponding request in the operating budget to remove operating dollars for this grant program and the Freshwater Aquatic Invasive Plants Grant Program. There is also a corresponding request in the capital budget to add funding for the Freshwater Aquatic Invasive Plants Grant Program for \$1.7million, Freshwater Aquatic Weeds Account (fund 222).

What opportunity or problem is driving this request?

Over the years it has become increasingly difficult to manage this program across biennial lines as part of an operating budget appropriation. Projects funded with these pass-through dollars cross biennia, and Ecology is limited by the amount of appropriation authorized every two years. Grants are awarded annually to address emerging needs and normally have a two

Capital Project Request

2021-23 Biennium

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Project Number: 40000376

Project Title: 2021-23 Freshwater Algae Grant Program

Description

year timeline. Those projects awarded in the second year of a biennium, and finished in the first year of the next biennium, are difficult to manage across that threshold. When planned spending does not occur by the end of a biennium, it leaves unspent revenue in the account that can't be accessed. This also means that additional funding from the next biennial operating budget must be used to complete these grants that underspend, which reduces the amounts available for grants in the new biennium.

While there is greater need in communities than Ecology can fund, we keep returning dollars to the accounts because our best estimates for operating spending across biennial lines do not always transpire as planned. Ecology works closely with the recipients to get good spending estimates at the end of each biennium, but the seasonality of this work through the spring and summer makes it difficult to predict whether the bulk of work will occur before or after June 30th, and we cannot overspend our biennial appropriation.

While these are not traditional bricks-and-mortar capital projects, the work achieved can lead to on-the-ground implementation of best management practices and these projects are often linked with other capital funded restoration projects. Effective toxic algae control measures provide long-term economic and public health benefits. These grants protect people from toxic algae bloom exposure, improve the waters essential for fish and other wildlife habitat, and help safeguard the places where people live, work, and play. These grant projects often work in tandem with other capital funded restoration projects in the same water body or watershed.

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.

By moving these programs to the capital budget, Ecology can ensure that every dollar of this dedicated funding goes to communities for the purposes intended, which helps protect the environment, human health, and the value of the places where people live, work and recreate. This proposed budget shift will help avoid decreases in available grant funding due to project delays that reduce available appropriation authority to fund new projects.

What are the effects of non-funding?

If this request is not approved, Ecology would continue the less efficient process of running Aquatic Algae and Invasive Plant grants through the operating budget, and leave revenue specifically designated for this work unspent each biennium due to projects crossing biennial budget lines.

Why is this the best option or alternative?

Ecology could request this dedicated account be characterized as "non-appropriated", which would allow us to utilize whatever fund balance is available. But that would require legislative action to change the account to non-appropriated in RCW 43.21A.667. Ecology would likely not have support in running a bill to make these minor changes in light of other priority policy issues, and the Legislature prefers accounts be appropriated.

Ecology considered moving to a two-year grant cycle, aligned with the biennium, to address this issue. However, the seasonal nature of algae blooms, and the unanticipated occurrence of blooms from one year to the next, requires making these funds available every year to quickly address emerging issues.

How will clients be affected and services change if this project is funded?

If this request is approved, more funding and project implementation flexibility would be made available to state, tribes, and local government partners, which would be supported. Input from stakeholders has been focused on the need for additional

Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 4:05PM

Project Number: 40000376

Project Title: 2021-23 Freshwater Algae Grant Program

Description

resources to support these programs as the frequency and intensity of harmful algae blooms infestations are increasing in Washington waters.

What is the agency's proposed funding strategy for the project?

The Legislature established funding for the Freshwater Algae Grant program through an annual one-dollar license fee assessed to the owners of boats. Ecology funds this grant program with revenue generated from these fees.

Funding for this project includes \$15,000 to maintain and update the grant or loan applications in the agency systems.

Are FTEs required to support this project?

This project requires 0.46 FTE to oversee and manage the grant process and provide technical assistance.

How does the project support the agency and statewide results?

This request is essential to implementing goals in Ecology's strategic plan to:

- Support and engage our communities, customers, and employees by impacting communities located in areas with considerable diversity, both culturally and economically. Improving the health of freshwater lakes provides social, environmental, and economic health equity for all those who live, work, and play there.
- Reduce and prepare for climate impacts by restoring the natural conditions that prevent toxic algae blooms it improves habitat for fish and other species in Washington's freshwater lakes, which increases their resiliency to adapt to conditions caused by climate change.
- Prevent and reduce toxic threats and pollution by reducing algae blooms because toxic algae blooms can make people, pets, and livestock sick.
- Protect and manage our state's waters by integrating restoration efforts that provide cool waters and healthy lakes that support fish and wildlife.

These grant funded projects help plan and implement restoration of natural conditions that prevent toxic algae blooms. Supporting habitat for fish and other species in Washington's freshwater lakes, which increases the resiliency for adapting to changing climate conditions, helps reduce toxic threats from algae blooms, and integrates restoration efforts to provide cool waters and healthy lakes that support fish and wildlife.

This request provides essential support to the Governor's Results Washington Goal 3: Sustainable Energy and a Clean Environment and Goal 4: Healthy and Safe Communities because aquatic algae are a serious threat to the health of lakes, rivers, and streams in Washington State and excessive algae impairs fish and wildlife habitat and restricts recreational activities. Restoring natural habitat for fish and other native species in Washington's freshwaters, and improving waterbodies in communities for safe recreation.

How will the other state programs or units of government be affected if this project is funded?

This program is coordinated with the Washington State Department of Health and local health jurisdictions. These groups, as well as local government stakeholders that receive this funding to address critical needs, would be supportive of the flexibility and efficiency provided by this proposal.

What is the impact on the state operating budget?

This project is related to the operating performance decision package titled "Move Aquatic Grants to Capital".

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 4:05PM

Project Number: 40000376

Project Title: 2021-23 Freshwater Algae Grant Program

Description

The operating request is a technical adjustment to move funding for the Freshwater Algae Grant program from the operating budget to the capital budget, which will be accomplished with the capital budget request. Doing so will allow communities more predictable and durable funding for their local projects. A more efficient and effective program will mean fewer toxic algae blooms affecting the lakes and streams in our communities.

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 October 15th and closes on November 15th 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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
10A-1	Aq Algae Cntrl Acct-State	3,730,000				730,000
	Total	3,730,000	0	0	0	730,000
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
10A-1	Aq Algae Cntrl Acct-State	750,000	750,000	750,000	750,000	
	Total	750,000	750,000	750,000	750,000	

Operating Impacts

No Operating Impact

Narrative

This project is related to the operating performance decision package titled "Move Aquatic Grants to Capital". The operating request is a technical adjustment to move funding for the Freshwater Algae Grant program from the operating budget to the capital budget, which will be accomplished with this capital budget request.

**Department of Ecology
2021-2031 Capital Budget**

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 4:58PM

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: 9

Project Summary

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 budget request provides funding for pass-through grants to Puget Sound municipalities for wastewater nutrient reduction planning and optimization projects. 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. (State Building Construction Account)

Project Description**What is the proposed project?**

Ecology is requesting \$9,000,000 from the State Building Construction Account (SBCA) for creation of the Puget Sound Nutrient Planning and Efficiencies Grant program.

Background

In early 2018, Ecology kicked off the Puget Sound Nutrient Source Reduction Project and Forum to find ways to improve dissolved oxygen conditions in the Sound. The project is a collaborative effort with stakeholders to find the best solutions for reducing human sources of excess nutrients in Puget Sound. The forum has a broad range of participants, including federal, state, and local governments; permittees; nongovernmental organizations; environmental nonprofit organizations; academics and researchers; and concerned residents. The forum is a public advisory group created to discuss, learn, and provide input as Ecology explores solutions for point and nonpoint sources of excess nutrients.

In November 2018, Ecology received a petition for rulemaking to establish technology-based limits for nitrogen and phosphorus on discharges from Puget Sound domestic wastewater facilities. Ecology denied the petition, and committed to working on a water quality-based approach to address dissolved oxygen impairment caused by overall excess nutrient loading to Puget Sound.

In January 2019, a modeling analysis from the Puget Sound Nutrient Source Reduction Project confirmed municipal wastewater facilities are contributing to dissolved oxygen (DO) impairments. The analysis found that, under existing conditions, approximately 20 percent of the area in the greater Puget Sound does not meet the dissolved oxygen standards. If reductions are made at all municipal wastewater treatment plants as modeled, approximately 10 percent of the greater Puget Sound would not meet the standards. This represents roughly a 50 percent improvement in compliance area for the dissolved oxygen standards.

Waste Water Treatment Plant General Permit

A general permit is the best tool for controlling nutrients from Wastewater Treatment Plant (WWTP) discharges. Ecology sought public input on whether to use individual permits or a general permit to control nutrients, and in January 2020, decided a Nutrients General Permit is the best tool to implement legal mandates necessary to address nutrients from the 67 domestic WWTPs that discharge to Puget Sound. Ecology formed a representative advisory committee and will continue to meet through October 2020 to develop recommendations for this general permit. Visit the Nutrients General Permit webpage (<https://ecology.wa.gov/Regulations-Permits/Permits-certifications/Nutrients-Permit>) for more information.

The general permit:

- Creates a single coordinated public engagement process and allows flexibility for communities to collectively address

Capital Project Request

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Project Number: 40000396

Project Title: 2021-23 Puget Sound Nutrient Reduction Grant Program

Description

nutrients, including the possibility of developing a trading program for a future permit cycle.

- Places 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.

Ecology received funding in the 2020 Supplemental Operating Budget to develop the new nutrient general permit, and it is expected to be finalized by July 2021.

Capital Budget Request to Support Local Implementation of the General Permit

The greatest barrier to reducing nutrients in Puget Sound is the cost of facility upgrades. Through this request, Ecology will provide financial support to local government municipalities involved in Puget Sound nutrient reduction efforts. These efforts will require a new financial assistance program to support planning efforts and operational efficiencies to address meeting nutrient reduction targets at wastewater treatment plants discharging into Puget Sound.

Providing nutrient planning and efficiencies grants will provide needed support to municipalities in preparing and planning for treatment facility upgrades and to implement operational modifications that can lead to immediate reductions in nutrient discharge levels. This grant funding will provide local municipalities with financial assistance to address the new general permit requirements, and will provide early adoption incentives for municipalities that opt to move ahead quickly in support of Puget Sound restoration. Eligible entities for grant funding will be the 67 wastewater municipalities that discharge to the Puget Sound, and will be affected by requirements in the new general permit.

Ecology will focus these grants on two key areas:

- Implementing operational efficiency modifications to reduce nutrients.

- Projects typically involve: process control changes, cyclic aeration/aeration modifications, mixed liquor recycle pumps and piping, configuration changes, chemical addition, process modeling, and operational training/staffing/sampling improvements.

- Planning for future design/construct projects to implement facility improvements that reduce nutrients.

- Planning projects address infrastructure alternatives that can achieve the most effective cost efficient nutrient reduction in relation to limits set in permit. An example would be a feasibility study to look at biological nutrient removal and other advanced treatment upgrades.

While the operational efficiencies will provide some immediate benefits, the planning is essential to provide a pathway to the larger facility investments in the future. The planning projects will help determine the most cost-effective means to restore Puget Sound and will guide Ecology's efforts in expanding the scope and funding of its current Water Quality Combined Funding Program.

Ecology will work with staff from each affected facility to compile information, including type of treatment, size, current discharge limits, and other pertinent details that help determine the best approach to using grant funding, whether for implementing operational efficiencies or for planning. Funding will be made available to each of the 67 facilities that complete an application in the Ecology Administration of Grants and Loans (EAGL) system.

Grant awards will be prioritized based on readiness to proceed and the anticipated nutrient reduction outcomes of the project. Grant limits and amounts will be determined once enough detailed information on the facilities is compiled and assessed in relation to the nutrient limits to be identified in the general permit development process. Ecology will also work with its Water Quality Financial Assistance Council (FAC) to take input and advice and guidance on development and implementation of this new grant program.

What opportunity or problem is driving this request?

Capital Project Request

2021-23 Biennium

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Report Number: CBS002

Date Run: 9/3/2020 4:58PM

Project Number: 40000396

Project Title: 2021-23 Puget Sound Nutrient Reduction Grant Program

Description

Science and modeling shows human sources of nutrients are leading to low DO levels and unhealthy water quality in Puget Sound. High nutrient levels act like a fertilizer, causing excessive algal and plant growth. More plants sound like a good thing, but 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.

It has taken decades for Puget Sound to deteriorate to this point, and it will take a long time to restore it. A general permit is the best tool for controlling nutrients from WWTP discharges. The general permit will focus initially on establishing nutrient discharge limits for wastewater treatment facilities, optimizing operations of the facilities as they exist, and planning for future improvements. Improvements to infrastructure will require years and capital support; but it starts with having this permit in place. Making these improvements helps ensure that future generations will be able to enjoy the Puget Sound as a place for recreation, fishing, shell fishing, and wildlife viewing.

Establishing nutrient discharge limits will have significant financial impact on those facilities that are required to meet nutrient limits. This proposed grant program is intended to help offset the financial burden and ensure that our local facilities can meet the new discharge limits over time.

This project is needed in the 2021-23 Biennium to assist municipalities in planning and implementation of nutrient reductions to address new general permit nutrient limits and requirements. Launching this grant program with the 2021-23 biennial budget aligns this new funding with the expected implementation of the nutrient general permit in July 2021.

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, such as optimizing processes to reduce nutrient levels, and site specific facility planning needed to prepare for design and construction of facility improvements that reduce nutrients and toxic pollutants in wastewater discharge. These investments will lead to nutrient and toxics reductions that 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 through offsetting 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 investment of grant funding will help communities reduce impacts on sewer rates and therefore promote local economic stability.

What are the effects of non-funding?

If this proposal is not funded, local government municipalities will be required to finance the planning and operational efficiencies on their own with local resources, or through taking on debt, which would result in dramatic sewer rate increases. This would lead to potential delays in planning and implementation as municipalities look for opportunities to push out the financial impacts as far as possible. Without additional financial assistance, reductions in nutrients and the associated improvements to water quality and ecosystem function will be far more challenging and take more time to accomplish. Without added financial assistance or incentives, proposed permittees will be more likely to push back and appeal permit coverage, move to delay implementation, and draw out the process, such that improvements to Puget Sound ecosystem recovery will continue to be severely impacted. Stakeholders and local and state government focus could be directed towards legal challenges rather than restoring Puget Sound.

Stakeholders have made it clear during Forum meetings that there is significant concern about the high cost and ratepayer impacts that will occur from the new permit, and that the state should be providing additional assistance to help with implementation. Impacts will be especially significant on the smaller communities, who have fewer rate payers and lower average incomes.

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/3/2020 4:58PM

Project Number: 40000396

Project Title: 2021-23 Puget Sound Nutrient Reduction Grant Program

Description**Why is this the best option or alternative?**

Ecology evaluated the option of using the currently available financial resources through the Water Quality Combined Funding Program. Currently, eligible funding for these types of projects are focused on loans through the Clean Water State Revolving Fund (CWSRF), with potential for small community hardship grant funding through the Centennial Clean Water Program (CCWP). Because of grant funding limitations and the specific interest in getting out ahead of this need, providing relief to the impacted communities through a new grant program was determined to be the best option. Other state and federal funding programs were also evaluated, but the same limitations exist, with very limited availability in existing grant funding.

This proposal is timed to correspond with implementation of the Puget Sound nutrient general permit. The timing for providing this funding is critical to facilitating this first phase of permit implementation, expected to begin in July 2021. Grant funding will provide resources at the optimal timing to support municipalities early planning and operational efficiency projects designed to address the first phase of permit requirements.

How will clients be affected and services change if this project is funded?

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. This funding will help municipalities get a jump start on meeting new permit requirements while reducing ratepayer impacts.

This proposal augments the existing water quality combined infrastructure funding programs by providing additional grant resources where generally only CWSRF loans are available. The proposed new 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.

What is the agency's proposed funding strategy for the project?

Ecology is proposing SBCA for funding this new grant program, which supports these capital facility improvement projects.

There are 67 municipalities that discharge wastewater to Puget Sound that will be impacted by limits set through the issuance of a nutrient general permit. This new pass-through funding program will provide grant assistance to municipalities that move forward with planning for necessary infrastructure improvements that reduce nutrient discharges and implement operational efficiencies to 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 prioritize and maximize the use of planning and optimize dollars to achieve effective plans and actions to reduce nutrient discharges.

Funding for this project includes \$35,000 to set up the grant or loan applications in the agency's systems.

Are FTEs required to support this project?

This new grant program will require a total of 1.15 FTEs to manage and oversee up to 67 pass through grants.

How does the project support the agency and statewide results?

This request is essential to implementing following goals in Ecology's strategic plan:

- Goal 1 - Support and Engage our Communities, Customers, and Employees: Through Ecology's integrated Water Quality Financial Assistance Program, which continues to provide one-application and rating and ranking process to award funding from four separate funding sources, including CWSRF.

Capital Project Request

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Project Number: 40000396

Project Title: 2021-23 Puget Sound Nutrient Reduction Grant Program

Description

- Goal 2 - Reduce and Prepare for Climate Impacts: CWSRF funded projects often help communities prepare for climate impacts and integrate climate resiliency and long term sustainability. Examples are reclaimed water and water reuse facilities that help small communities be resilient and sustainable in water-short areas, and increased stream buffers and native vegetation to help address stream flow dynamics, temperature impacts, and carbon sequestration, in addition to improving water quality.

- Goal 4 - Protect and Manage our State Waters and Goal 5 Protect and Restore Puget Sound: By continuing to fund projects for water pollution control infrastructure and projects that reduce nonpoint pollution and nutrient discharges.

This request provides essential support to several of the Governor's Results Washington Goals, including:

- Goal 2, Prosperous Economy, by providing opportunities for quality jobs when a new wastewater system is constructed or an existing system is repaired or upgraded. State financial managers calculate that about 11 jobs in Washington are created for every \$1 million spent for construction and design. 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, by providing 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 by funding projects that address the impacts of climate change and improving community resiliency through support of long term multi-benefit solutions to impacts from water pollution, including nutrients and temperature. CWSRF supports economic security by providing grant subsidy to small hardship communities to protect public health while keeping utility rates reasonable. CWSRF supports Environmental Justice issues by addressing needs in low-income communities through low or no interest loans in conjunction with forgivable principal to reduce residential rate impacts.

-Goal 5: Efficient, Effective, and Accountable Government by creating an efficient and streamlined approach for communities to apply for and access funding resources through an integrated water quality financial assistance program. CWSRF is part of an integrated funding system that streamlines the application and award process for funding critical water quality projects. The system is reviewed and updated annually to make efficiency improvements based on internal and external stakeholder input.

This request directly supports the 2018-2022 Puget Sound Action Agenda Implementation Plan through the following Ongoing Program OGP_ECY38: Water Quality - Provide Financial Assistance (Department of Ecology). Per the Implementation Plan, "The magnitude of work to protect and recover Puget Sound that occurs through ongoing programs cannot be overstated—ongoing programs are recognized as the critical foundation for Puget Sound recovery."

This request supports the following 2018 Regional Priorities and Regional Priority Approaches:

- CHIN2.5 - Address and manage water quality parameters, including: excess nutrient loading (such as nitrogen) for all sources, and with specific attention to pathways associated with wastewater treatment outfalls; elevated temperatures; sediment; and Toxics.

- CHIN7.1 - Protect and/or restore critical habitat for salmon populations.

- TIF1 - Enhance pollutant reduction programs and corrective measures, and increase authorities and programs to prevent toxic chemicals from entering Puget Sound.

- FUND 1.2 - Explore and utilize new sources of funding, and enhance existing sources of funding.

- ORCA1 - Implement the Governor's Southern Resident Orca Task Force recommendations, as well as the Chinook salmon

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Project Number: 40000396

Project Title: 2021-23 Puget Sound Nutrient Reduction Grant Program

Description

and Toxics in Fish Implementation Strategies.

This request also supports efforts under the Governors' Executive Order 18-02, Southern Resident Orca Recovery and Task Force, by funding projects that reduce toxic pollutant migration to Puget Sound so that Southern Resident orca exposure to toxics is reduced. Specific supported Task Force recommendations include:

- Recommendation 1 - Significantly increase investment in restoration and acquisition of habitat in areas where Chinook stocks most benefit Southern Resident orcas.
- Recommendation 34 - Provide sustainable funding for implementation of all recommendations.

How will the other state programs or units of government be affected if this project is funded?

The proposed 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 will be required to implement infrastructure improvements for nutrient reduction. With costs to address excess nutrient discharges to Puget Sound ranging from \$2.2 – \$8.9 billion (in 2010 dollars), most of the Puget Sound Basin population will be directly impacted by this effort. The referenced report is linked here: Technical and Economic Evaluation of Nitrogen and Phosphorus Removal at Municipal Wastewater Treatment Facilities. (<https://fortress.wa.gov/ecy/publications/documents/1110060.pdf>)

Puget Sound nutrient reduction and the associated financial impacts has been an agenda topic discussed with Water Quality Financial Assistance Council that includes stakeholders from local governments, environmental groups, and state and federal agencies. This stakeholder group broadly supports providing financial assistance to municipalities facing expensive infrastructure improvements associated with nutrient reduction.

What is the impact on the state operating budget?

Once the permit is in effect in the summer of 2021, Ecology will be able to work with stakeholders on collecting the fee for the new permit. Current law caps fee payments from municipalities. Ecology anticipates working with stakeholders throughout 2021 and sponsoring legislation during the 2022 session that will allow the agency to collect fees for this new permit. There would be a corresponding request for spending authority in a future budget request to fund the staff that will support municipalities through this transition.

Proviso

N/A

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Grants

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Project Title: 2021-23 Puget Sound Nutrient Reduction Grant Program

Description

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	45,000,000				9,000,000
	Total	45,000,000	0	0	0	9,000,000
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
057-1	State Bldg Constr-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



Potential Permittee List

For a Puget Sound Nutrients General Permit

The following list is the domestic wastewater treatment plants (WWTPs), permitted by Ecology, that are included in the Salish Sea Model as point sources. If Ecology proceeds with developing a Puget Sound Nutrients General Permit, these WWTPs may be subject to its conditions.

Privately-owned facilities are marked with an asterisk (*). Facilities with nutrient reduction technology installed are marked with (nutrient reduction).

Individual NPDES Permit Number	Facility Name	Responsible Entity	Facility Capacity: Maximum Month Design Flow, as Million Gallons per Day (MGD)
WA0037753	Alderbrook Resort & Spa*	Alderbrook Resort & Spa/North Forty Lodging LLC	0.04
WA0020826	Alderwood WWTP	Alderwood Water and Sewer District	6
WA0020257	Anacortes WWTP	City of Anacortes	4.5
WA0020907	Bainbridge Island WWTP	City of Bainbridge Island	1.2
WA0029556	Birch Bay Sewage Treatment Plant (STP)	Birch Bay Water and Sewer District	1.44
WA0040291	Boston Harbor STP	Thurston County	0.054
WA0029289	Bremerton STP	City of Bremerton	11/15.5
WA0037915	Carlyon Beach STP*	Carlyon Beach Homeowners Association	0.06
WA0039624	Chambers Creek WWTP (nutrient reduction)	Pierce County	55.8
WA0024431	Clallam Bay STP	Clallam County	0.12
WA0029378	Coupeville STP	Town of Coupeville	0.44
WA0030911	Eastsound Orcas Village WWTP	Eastsound Sewer and Water District	0.015
WA0030571	Eastsound Sewer and Water District WWTP	Eastsound Sewer and Water District	0.16
WA0024058	Edmonds STP	City of Edmonds	11.8
WA0024490	Everett STP	City of Everett	40.3
WA0030589	Fisherman Bay STP	Fisherman Bay Sewer District	0.053
WA0023582	Friday Harbor STP	Town of Friday Harbor	0.69
WA0023957	Gig Harbor STP	City of Gig Harbor	2.4

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WA0038377	Hartstene Pointe STP	Hartstene Pointe Water and Sewer District	0.186
WA0032247	King County Brightwater WWTP	King County	40.9
WA0029581	King County South WWTP	King County	144
WA0022527	King County Vashon WWTP	King County	0.52
WA0029181	King County West Point WWTP	King County	215
WA0030520	Kitsap County Central Kitsap WWTP	Kitsap County	6
WA0032077	Kitsap County Kingston WWTP	Kitsap County	0.292
WA0023701	Kitsap County Manchester WWTP	Kitsap County	0.46
WA0030317	Kitsap County Sewer District #7 Water Reclamation Facility (WRF)	Kitsap County Sewer District No. 7	0.28
WA0022446	La Conner STP	Town of La Conner	0.52
WA0020893	Lake Stevens Sewer District WWTP	Lake Stevens Sewer District	5.01
WA0022624	Lakota WWTP	Lakehaven Water and Sewer District	10
WA0020702	Langley STP	City of Langley	0.15
WA0022641	Lighthouse Point WRF	City of Blaine	1.54
WA0037061	LOTT Budd Inlet WRF (nutrient reduction)	LOTT Clean Water Alliance	28
WA0024031	Lynnwood STP	City of Lynnwood	7.4
WA0022497	Marysville STP	City of Marysville	12.7
WA0040002	McNeil Island Special Commitment Center WWTP	WA State Department of Corrections	0.45
WA0023469	Messenger House Care Center WWTP*	Soundcare, Inc.	0.016
WA0020958	Midway Sewer District WWTP	Midway Sewer District	9
WA0022764	Miller Creek WWTP	Southwest Suburban Sewer District	7.1
WA0024074	Mt Vernon WWTP	City of Mt Vernon	15
WA0023396	Mukilteo Water and Wastewater District WWTP	Mukilteo Water and Wastewater District	2.61
WA0020567	Oak Harbor STP (nutrient reduction)	City of Oak Harbor	2.5/3.2
WA0029386	Penn Cove WWTP	Penn Cove Water and Sewer District	0.1
WA0023973	Port Angeles STP	City of Port Angeles	10.8
WA0021202	Port Ludlow WWTP*	Olympic Water and Sewer, Inc.	0.32

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WA0020346	Port Orchard WWTP	City of Port Orchard	4.2
WA0037052	Port Townsend STP	City of Port Townsend	2.05
WA0023744	Post Point WWTP	City of Bellingham	34.3
WA0023451	Redondo WWTP	Lakehaven Water and Sewer District	5.6
WA0021822	Roche Harbor Resort WWTP*	Roche Harbor Resort	0.1296
WA0029891	Rosario WWTP*	Washington Water Service Company	0.071
WA0038075	Rustlewood STP	Mason County	0.055
WA0022772	Salmon Creek WWTP	Southwest Suburban Sewer District	8.1
WA0037273	Seashore Villa STP*	Emerald Properties, LLC	0.034
WA0024449	Sekiu STP	Clallam County	0.145
WA0022349	Sequim WRF (nutrient reduction)	City of Sequim	1.67
WA0023345	Shelton STP	City of Shelton	4.02
WA0030597	Skagit County Sewer District 2 Big Lake WWTP	Skagit County Sewer District No. 2	0.35
WA0029548	Snohomish STP	City of Snohomish	2.8
WA0020290	Stanwood STP	City of Stanwood	1.5
WA0037087	Tacoma Central No. 1	City of Tacoma	60
WA0037214	Tacoma North No. 3	City of Tacoma	7.2
WA0037290	Tamoshan STP	Thurston County	0.035
WA0037656	Taylor Bay STP*	Taylor Beach Club	0.029
WA0039845	WA DOC Clallam Bay Corrections Center STP	WA State Department of Corrections	0.16
WA0023787	WA Parks Larrabee WWTP	WA State Parks and Recreation Commission	0.027
WA0029904	Warm Beach Campground WWTP*	Warm Beach Christian Camp	0.15

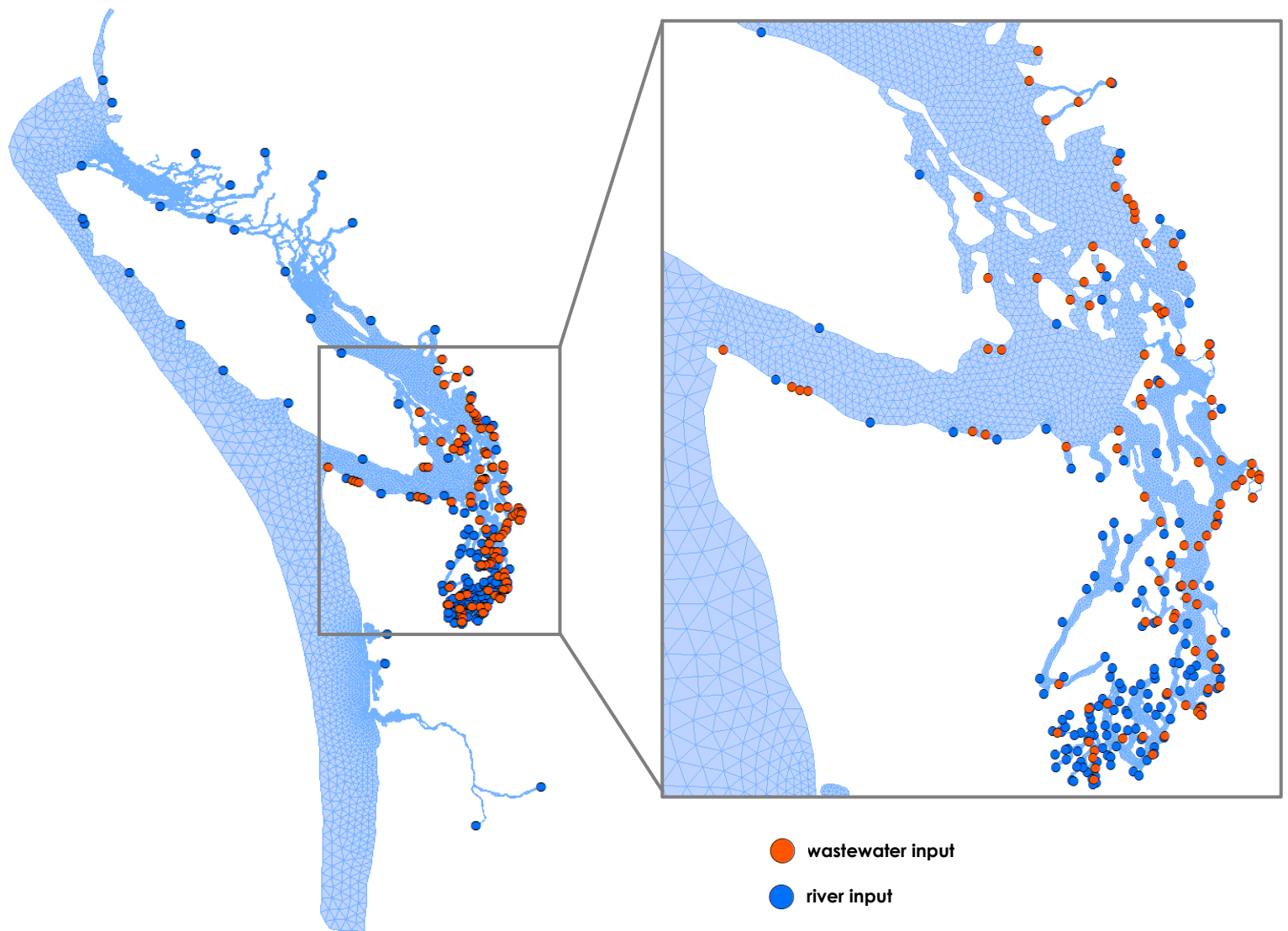


Figure 1 Map of all Point Source Discharges included in the Salish Sea Model

(Note: This map includes all wastewater sources included as point source discharges in the Salish Sea Model, including Ecology-permitted domestic and industrial facilities, EPA-permitted facilities, and Canadian facilities.)

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Capital Project Request

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/24/2020 3:02PM

Project Number: 40000346

Project Title: 2021-23 Clean Up Toxic Sites – Puget Sound

Description

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 13

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 Puget Sound and surrounding areas has highlighted a valuable link between toxic site cleanup and habitat restoration. This request for \$5.8 million will support projects that integrate shoreline habitat restoration opportunities with cleanup projects to protect public and environmental health, create jobs, and promote economic development. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description**What is the proposed project?**

Ecology is requesting \$5,808,000 for cleanup projects located in the Puget Sound Basin and throughout Western Washington.

As of June 2020, Ecology has identified about 260 contaminated sites awaiting cleanup, and roughly 700 sites in the process of being cleaned up near the Puget Sound Basin and surrounding shoreline. These numbers change frequently as site information is updated with new contaminated sites being identified, sites moving through cleanup, and sites being cleaned up.

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 speed 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, outside of the Puget Sound basin, and where an unanticipated cleanup investment or emergency response is needed.

Attached is a prioritized list of projects that will be funded with this request. These cleanups continue to advance work in seven priority bays that implement the objectives of the Puget Sound Action Agenda, an action plan 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 MTCA regulatory process. MTCA's cleanup process 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

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Description

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, that are in construction, that have permits or are in the permitting process, where design is complete or underway, or that are under contract.

In addition to projects being evaluated according to the MTCA regulatory process, the project list is prioritized based on:

1. Continuing investments at sites with ongoing cleanup projects.

In 2013, significant changes were made to MTCA. Among them was direction for Ecology to plan hazardous site cleanup at a pace that matches the estimated cash resources in the MTCA accounts (RCW 70.105D.030). Prior to these changes, expensive multi-year projects were fully funded in a biennial budget, and resulted in large reappropriations and cash balances in the MTCA accounts.

Cleanups can take many years once a site has been contaminated 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 has been actively working toward this target by employing 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. Ecology considers in its prioritization process the next phase of funding needed to keep existing cleanup projects moving forward.

2. Applying 2015-17 and 2017-19 budget prioritization criteria.

These budgets authorized Ecology to delay the start of cleanup projects based on: acuity of need; readiness to proceed; cost-efficiency; purposes of increasing affordable housing; or, need to ensure geographic distribution. Ecology used this authority over the past three biennia to guide project priority.

3. Where groups of projects met all of the same budget prioritization criteria, projects were further ranked considering Ecology's regional and program priorities.

4. 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 would most certainly continue to deteriorate. Although the state has made progress addressing the most highly contaminated areas of the Sound, other impacted areas are left unchecked. This request will help restore environmental and economic vitality to the state by focusing comprehensive cleanup on remaining contaminated sites impacting Puget Sound.

What are the specific benefits of this project?

This work 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:

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Description

- 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.

This request will also provide economic benefits to the state by creating up to 29 jobs during the next two 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, health, and environmental impacts would largely be felt in areas in or immediately adjacent to Puget Sound. Also, 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 environmental goals is to clean up pollution, and 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 project supported by and worked with stakeholders. The MTCA Capital account and the Model Toxics Control Capital Account (MTCA-Capital) has traditionally funded 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.

What is the agency's proposed funding strategy for the project?

Traditionally, the Clean Up Toxic Sites – Puget Sound projects have been funded with MTCA dollars. Ecology requests funding from the MTCA Capital Account to complete projects that integrate shoreline habitat restoration opportunities with cleanup projects to protect public and environmental health, create jobs, and promote economic development.

Ecology requests funding from the Model Toxics Control Capital Account (MTCA-Capital) for this project. The use of MTCA-Capital funds for this project is consistent with the purposes of MTCA, Chapter 70.105D RCW and the MTCA-Capital Account, RCW 70.105D.200, 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.

Every two years, Ecology is required to provide the Legislature with a comprehensive report: "Model Toxics Control Accounts (MTCA) Ten-Year Financial Report." Ecology produces this report in coordination with local governments that have cleanup responsibilities. It identifies the projected financial needs to cleanup up contaminated sites that are eligible for funding from the Model Toxics Control Capital Account. The MTCA 2018 10-Year Financing Report is available here: <https://fortress.wa.gov/ecy/publications/SummaryPages/1809052.html>.

The MTCA Ten-Year Financing Report describes how we plan to spend funds to clean up sites in the upcoming biennium and

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Project Title: 2021-23 Clean Up Toxic Sites – Puget Sound

Description

the next ten years. Ecology produces this report during even-numbered years.

Its companion report, the MTCA Biennial Report of Expenditures, describes how cleanup funds were spent over the previous biennium. Ecology produces the Biennial Report of Expenditures during odd-numbered years. Find the 2019 Biennial Report online at <https://fortress.wa.gov/ecy/publications/SummaryPages/1909045.html>.

Are FTEs required to support this project?

No.

How does the project support the agency and statewide results?

This request is essential to implementing Ecology's strategic plan goal to Prevent and Reduce Toxic Threats and Pollution, by cleaning up contaminated sites in order to protect human health and the environment. It also contributes resources to continue activity A005, Clean Up the Most Contaminated Sites First (Upland and Aquatic).

The request is also essential in supporting the Governor's Energy and Environment priority issues by investing funds to clean up contaminated sites and protect public health and natural resources. It also supports Results Washington Goal 3: Sustainable Energy and a Clean Environment, by cleaning up and managing contaminated sites that pose threats to public health, the environment, groundwater, and fish and wildlife resources.

This work also supports Results Washington Goal 2, Prosperous Economy, by creating and supporting jobs and making it possible to redevelop previously contaminated land to support economic growth in communities.

This request also supports Governor Inslee's Executive Order 18-02, Southern Resident Killer Whale Recovery and Task Force, by supporting cleanup projects that reduce legacy and address new toxic contaminants in Puget Sound. The Order lists toxic contaminants as one of the three primary factors threatening the Southern Resident orca population.

- Reduce stormwater threats and accelerate cleanup to toxics harmful to orcas.

This request supports Puget Sound Action Agenda implementation through Ongoing Program OGP_ECY 20: Toxic Cleanup Program - Cleaning up priority bays in Puget Sound (Department of Ecology) and is linked to the following Regional Priorities, Strategies, and Sub-strategies:

- Regional Priority TIF 1.1: Enhance pollutant reduction programs and corrective measures, and increase authorities and programs to prevent toxic chemicals from entering Puget Sound. By cleaning up toxic legacy pollutants, Ecology prevents these damaging chemicals from entering the Puget Sound and other potential routes for exposure.

- Regional Priority TIF 3.1: Provide the infrastructure and incentives to accommodate new development and redevelopment within designated urban centers in Urban Growth Areas. By cleaning up brownfield properties, Ecology helps to incentivize growth within Urban Growth Areas.

- Strategy 9: Prevent, reduce, and control the sources of contaminants entering Puget Sound.

- Sub-strategy 9.1: Implement and strengthen authorities and programs to prevent toxic chemicals from entering the Puget Sound ecosystem.

- Strategy 10: Use a comprehensive approach to manage urban stormwater runoff at the site and landscape scales.

- Sub-strategy 10.3: Fix problems caused by existing development.

- Sub-Strategy 10.4: Control sources of pollutants.

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Project Title: 2021-23 Clean Up Toxic Sites – Puget Sound

Description

- Strategy 21: Address and clean up cumulative water pollution impacts in Puget Sound.

- Sub-strategy 21.2: Clean up contaminated sites within and near Puget Sound by reducing and controlling the sources of pollution.

This request supports the Action Agenda's implementation by reducing and controlling the sources of pollution. Ecology's work to clean up areas contaminated with hazardous substances returns a polluted or degraded environment, as much as possible, to a healthy, self-sustaining ecosystem.

Ecology's focused work in Puget Sound will be accomplished by making direct state investments, using contributions by potentially liable parties, and entering into interagency agreements with affected local governments and resource agencies.

How will the other state programs or units of government be affected if this project is funded?

These cleanup projects are part of the Puget Sound Initiative, which is a collaborative effort by local, tribal, state, and federal governments; businesses; agricultural and environmental interests; and the public, to help preserve and protect Puget Sound. The projects funded by this request may involve port districts and other local government agencies, whose cleanup projects are considered for eligibility under the Remedial Action Grant Program.

What is the impact on the state operating budget?

None.

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

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
23N-1	MTC Capital Account-State	45,808,000				5,808,000
	Total	45,808,000	0	0	0	5,808,000

Future Fiscal Periods

Capital Project Request

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Project Title: 2021-23 Clean Up Toxic Sites – Puget Sound

Funding

	2023-25	2025-27	2027-29	2029-31
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: 40000347

SubProject Title: Custom Plywood

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 13

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 Puget Sound and surrounding areas has highlighted a valuable link between toxic site cleanup and habitat restoration. This request for \$5.8 million will support projects that integrate shoreline habitat restoration opportunities with cleanup projects to protect public and environmental health, create jobs, and promote economic development. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

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.

Proviso

N/A

Location

City: Anacortes

County: Skagit

Legislative District: 040

Project Type

Grants

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Project Number: 40000346

Project Title: 2021-23 Clean Up Toxic Sites – Puget Sound

SubProjects

SubProject Number: 40000347

SubProject Title: Custom Plywood

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		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Reappropriations
23N-1	MTC Capital Account-State	350,000			350,000
	Total	350,000	0	0	350,000

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
23N-1	MTC Capital Account-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000348

SubProject Title: Port Angeles Harbor (Rayonier Mill & Western Post Angeles Harbor)

Capital Project Request

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Version: BI Biennial 2021-23 Initial

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Project Number: 40000346

Project Title: 2021-23 Clean Up Toxic Sites – Puget Sound

SubProjects

SubProject Number: 40000348

SubProject Title: Port Angeles Harbor (Rayonier Mill & Western Post Angeles Harbor)

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 13

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 Puget Sound and surrounding areas has highlighted a valuable link between toxic site cleanup and habitat restoration. This request for \$5.8 million will support projects that integrate shoreline habitat restoration opportunities with cleanup projects to protect public and environmental health, create jobs, and promote economic development. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

The Western Port Angeles Harbor has widespread sediment contamination from a long history of various industrial uses. High levels of dioxins, polychlorinated biphenyl (PCBs), carcinogenic polycyclic 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.

Proviso

N/A

Location

City: Port Angeles

County: Clallam

Legislative District: 024

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			2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reappropriations	New Appropriations
23N-1	MTC Capital Account-State	875,000				875,000
	Total	875,000	0	0	0	875,000

Capital Project Request

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Project Number: 40000346

Project Title: 2021-23 Clean Up Toxic Sites – Puget Sound

SubProjects

SubProject Number: 40000348

SubProject Title: Port Angeles Harbor (Rayonier Mill & Western Post Angeles Harbor)

	Future Fiscal Periods			
	2023-25	2025-27	2027-29	2029-31
23N-1 MTC Capital Account-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000349

SubProject Title: Cleanup Rule

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 13

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 Puget Sound and surrounding areas has highlighted a valuable link between toxic site cleanup and habitat restoration. This request for \$5.8 million will support projects that integrate shoreline habitat restoration opportunities with cleanup projects to protect public and environmental health, create jobs, and promote economic development. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

Ecology's Toxics Cleanup Program (TCP) is working through a series of three rulemakings over the next ten years to update the Model Toxics Control Act (MTCA) Cleanup Rule. Based on our learning since the last rule update in 2001, the rule changes will enhance our ability to conduct and oversee the cleanup of more than 6,000 contaminated sites remaining in Washington. The cleanups – and the updated rules that will guide them – are critical to the future environmental and economic health of Washington. In 2021, we will adopt the first rule changes which includes an change to the Site Hazard and Assessment Ranking Process (SHARP). We will begin the second rulemaking to update technical cleanup standards.

Funding for updating the Cleanup Rule will help MTCA stakeholders and tribes provide effective comments and recommendations during the second rulemaking of the update process. With the support of contracted environmental planning and facilitation services, TCP staff will hold Stakeholder and Tribal Advisory Group (STAG) meetings every six to eight weeks during periods of rule development and communicate with stakeholders and tribes. The proposed budget includes the costs associated with constituting and facilitating a science advisory committee, a process that will be critical for the 2nd rule making effort focused on the MTCA cleanup standards.

Proviso

N/A

Location

City: Statewide

County: Statewide

Legislative District: 098

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Project Number: 40000346

Project Title: 2021-23 Clean Up Toxic Sites – Puget Sound

SubProjects

Project Type

SubProject Number: 40000349

SubProject Title: Cleanup Rule

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		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
23N-1	MTC Capital Account-State	346,000			346,000
	Total	346,000	0	0	346,000

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
23N-1	MTC Capital Account-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000350

SubProject Title: Freshwater Natural Background

Capital Project Request

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Project Number: 40000346

Project Title: 2021-23 Clean Up Toxic Sites – Puget Sound

SubProjects

SubProject Number: 40000350

SubProject Title: Freshwater Natural Background

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 13

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 Puget Sound and surrounding areas has highlighted a valuable link between toxic site cleanup and habitat restoration. This request for \$5.8 million will support projects that integrate shoreline habitat restoration opportunities with cleanup projects to protect public and environmental health, create jobs, and promote economic development. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

Establishing freshwater sediment natural background for key chemicals will help get cleanup done faster and significantly reduce risks to human health and the environment. Sediment natural background is a key provision in the Sediment Management Standards rule, which we use to clean up contaminated sediment. For marine sediment cleanup sites in Puget Sound we have relied on the work we've done to establish natural and regional background to effectively move our cleanup work forward and freshwater systems are no different. When background is not established, site managers have to rely on the laboratory detection limit, a risk based value, or develop their own background values to establish cleanup levels. This can result in cleanup levels that are unnecessarily low and not implementable, inconsistent site-specific development or use of background values, or incomplete cleanups. The work will be completed in three phases:

1. Sampling plans will be developed for two additional freshwater geographic regions in the state.
2. Field sampling, data analysis and evaluation, and development of a technical report for each geographic region.
3. Stakeholder technical workshops to provide an opportunity for the public to review and discuss the work.

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

N/A

Growth Management impacts

N/A

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Project Number: 40000346

Project Title: 2021-23 Clean Up Toxic Sites – Puget Sound

SubProjects

SubProject Number: 40000350

SubProject Title: Freshwater Natural Background

Funding

Acct Code	Account Title	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
23N-1	MTC Capital Account-State	162,000			162,000
	Total	162,000	0	0	162,000

Future Fiscal Periods

	Account Title	2023-25	2025-27	2027-29	2029-31
23N-1	MTC Capital Account-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000351

SubProject Title: Western WA University

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 13

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 Puget Sound and surrounding areas has highlighted a valuable link between toxic site cleanup and habitat restoration. This request for \$5.8 million will support projects that integrate shoreline habitat restoration opportunities with cleanup projects to protect public and environmental health, create jobs, and promote economic development. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

In 2021-23 biennium, this project will continue support of Huxley College's Science Management of Contaminated Sites (SMOCS) course.

Proviso

N/A

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Grants

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Project Title: 2021-23 Clean Up Toxic Sites – Puget Sound

SubProjects

SubProject Number: 40000351

SubProject Title: Western WA University

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		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
23N-1	MTC Capital Account-State	200,000			200,000
	Total	200,000	0	0	200,000
Future Fiscal Periods					
		<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>
23N-1	MTC Capital Account-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000352

SubProject Title: Whidbey Marine & Auto Supply

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Project Number: 40000346

Project Title: 2021-23 Clean Up Toxic Sites – Puget Sound

SubProjects

SubProject Number: 40000352

SubProject Title: Whidbey Marine & Auto Supply

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 13

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 Puget Sound and surrounding areas has highlighted a valuable link between toxic site cleanup and habitat restoration. This request for \$5.8 million will support projects that integrate shoreline habitat restoration opportunities with cleanup projects to protect public and environmental health, create jobs, and promote economic development. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

The Whidbey Marine and Auto Supply site consists of a petroleum release from a leaking underground storage tank. A 2017 Preliminary Planning Assessment reported that groundwater contamination had been confirmed in the perched groundwater zone and the deep sea-level aquifer, which serves as an important source of drinking water for Whidbey Island. Considerable field work has been completed on the site to characterize contamination. Funding is needed to fill data gaps and complete a Remedial Investigation/Feasibility Study (RI/FS), and Draft Cleanup Action Plan (CAP).

Proviso

N/A

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

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
23N-1	MTC Capital Account-State	750,000				750,000
	Total	750,000	0	0	0	750,000

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Project Number: 40000346

Project Title: 2021-23 Clean Up Toxic Sites – Puget Sound

SubProjects

SubProject Number: 40000352

SubProject Title: Whidbey Marine & Auto Supply

	Future Fiscal Periods			
	2023-25	2025-27	2027-29	2029-31
23N-1 MTC Capital Account-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000353

SubProject Title: Bellingham Bay Site - Habitat Restoration

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 13

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 Puget Sound and surrounding areas has highlighted a valuable link between toxic site cleanup and habitat restoration. This request for \$5.8 million will support projects that integrate shoreline habitat restoration opportunities with cleanup projects to protect public and environmental health, create jobs, and promote economic development. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

The aquatic habitat in the Bay has been significantly compromised by historical land use practices. Identified areas needing restoration include, but are not limited to, Little Squalicum Creek Estuary, Little Squalicum Beach, and Whatcom Creek Estuary. The Little Squalicum Creek Estuary and Little Squalicum Beach projects are fully permitted to complete construction and will increase salmonid habitat through activities such as creating/restoring spawning habitat for lost forage fish, installing a riparian buffer, and resolving land use issues related to public access and existing industrial activities. The Whatcom Creek project includes engineering design to remove creosote-treated piles and debris, soften shorelines, and place fish-friendly materials.

Proviso

N/A

Location

City: Bellingham

County: Whatcom

Legislative District: 042

Project Type

Grants

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Project Number: 40000346

Project Title: 2021-23 Clean Up Toxic Sites – Puget Sound

SubProjects

SubProject Number: 40000353

SubProject Title: Bellingham Bay Site - Habitat Restoration

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		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Reappropriations
23N-1	MTC Capital Account-State	1,500,000			1,500,000
	Total	1,500,000	0	0	1,500,000

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
23N-1	MTC Capital Account-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000354

SubProject Title: Quendall Terminals

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Project Number: 40000346

Project Title: 2021-23 Clean Up Toxic Sites – Puget Sound

SubProjects

SubProject Number: 40000354

SubProject Title: Quendall Terminals

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 13

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 Puget Sound and surrounding areas has highlighted a valuable link between toxic site cleanup and habitat restoration. This request for \$5.8 million will support projects that integrate shoreline habitat restoration opportunities with cleanup projects to protect public and environmental health, create jobs, and promote economic development. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

The Quendall Terminals site cleanup process is led by the US Environmental Protection Agency (EPA). The site has similar contaminants and is located in the same area as the Gas Works Park site. The requested funding is to review EPA's design of the Proposed Cleanup Action to ensure compliance with state cleanup standards and regulations.

Proviso

N/A

Location

City: Renton

County: King

Legislative District: 041

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			2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
23N-1	MTC Capital Account-State	50,000				50,000
	Total	50,000	0	0	0	50,000
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
23N-1	MTC Capital Account-State					
	Total	0	0	0	0	

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Project Number: 40000346

Project Title: 2021-23 Clean Up Toxic Sites – Puget Sound

SubProjects

SubProject Number: 40000354

SubProject Title: Quendall Terminals

Operating Impacts

No Operating Impact

SubProject Number: 40000356

SubProject Title: May Creek Landfill

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 13

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 Puget Sound and surrounding areas has highlighted a valuable link between toxic site cleanup and habitat restoration. This request for \$5.8 million will support projects that integrate shoreline habitat restoration opportunities with cleanup projects to protect public and environmental health, create jobs, and promote economic development. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

Ecology entered into a Memorandum of Understanding with the US Environmental Protection Agency to share groundwater sampling responsibilities at the May Creek Landfill Site. Sampling results will be used to better understand contamination at the Site and appropriately plan any necessary response to groundwater contamination. Ecology has committed to conducting 8 sample events, with at least 3-4 of these occurring during the 2021-2023 biennium. Each sample event will draw samples from 7 monitoring wells.

Proviso

N/A

Location

City: Renton

County: King

Legislative District: 011

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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Project Number: 40000346

Project Title: 2021-23 Clean Up Toxic Sites – Puget Sound

SubProjects

SubProject Number: 40000356

SubProject Title: May Creek Landfill

Funding

Acct Code	Account Title	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
23N-1	MTC Capital Account-State	75,000			75,000
	Total	75,000	0	0	75,000

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
23N-1	MTC Capital Account-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000357

SubProject Title: Treoil Industries

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 13

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 Puget Sound and surrounding areas has highlighted a valuable link between toxic site cleanup and habitat restoration. This request for \$5.8 million will support projects that integrate shoreline habitat restoration opportunities with cleanup projects to protect public and environmental health, create jobs, and promote economic development. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

The Treoil Industries site is located at a bulk fuel storage and handling facility where a release of petroleum products contaminated soil and groundwater. Contamination was found to have entered nearby wetlands and waterbodies. The requested funding will be used to characterize the site and complete a Remedial Investigation, Feasibility Study, and Draft Cleanup Action Plan.

Proviso

N/A

Location

City: Ferndale

County: Whatcom

Legislative District: 042

Project Type

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Project Number: 40000346

Project Title: 2021-23 Clean Up Toxic Sites – Puget Sound

SubProjects

Project Type

SubProject Number: 40000357

SubProject Title: Treoil Industries
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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriates	New Appropriates
23N-1	MTC Capital Account-State	500,000				500,000
	Total	500,000	0	0	0	500,000

Future Fiscal Periods

	Account Title	2023-25	2025-27	2027-29	2029-31
23N-1	MTC Capital Account-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000358

SubProject Title: Time Oil Handy Andy 8

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Date Run: 8/24/2020 3:02PM

Project Number: 40000346

Project Title: 2021-23 Clean Up Toxic Sites – Puget Sound

SubProjects

SubProject Number: 40000358

SubProject Title: Time Oil Handy Andy 8

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 13

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 Puget Sound and surrounding areas has highlighted a valuable link between toxic site cleanup and habitat restoration. This request for \$5.8 million will support projects that integrate shoreline habitat restoration opportunities with cleanup projects to protect public and environmental health, create jobs, and promote economic development. Related to Puget Sound Action Agenda Implementation. (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. The 2021-23 request is for additional investigations to identify and move forward a permanent cleanup remedy. By funding these investigations for a more permanent cleanup, the state will be able to avoid funding long-term monitoring.

Proviso

N/A

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
23N-1	MTC Capital Account-State	1,000,000				1,000,000
	Total	1,000,000	0	0	0	1,000,000

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Project Number: 40000346

Project Title: 2021-23 Clean Up Toxic Sites – Puget Sound

SubProjects

SubProject Number: 40000358

SubProject Title: Time Oil Handy Andy 8

	Future Fiscal Periods			
	2023-25	2025-27	2027-29	2029-31
23N-1 MTC Capital Account-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000374

SubProject Title: Clean Up Toxics Sites – Puget Sound Ten-Year Financial Plan

Starting Fiscal Year: 2022

Project Class: Grant

Agency Priority: 13

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 Puget Sound and surrounding areas has highlighted a valuable link between toxic site cleanup and habitat restoration. This request for \$5.8 million will support projects that integrate shoreline habitat restoration opportunities with cleanup projects to protect public and environmental health, create jobs, and promote economic development. 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: N/A

RCW that establishes grant: N/A

Application process used

N/A

Growth Management impacts

N/A

461 - Department of Ecology

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/24/2020 3:02PM

Project Number: 40000346

Project Title: 2021-23 Clean Up Toxic Sites – Puget Sound

SubProjects

SubProject Number: 40000374

SubProject Title: Clean Up Toxics Sites – Puget Sound Ten-Year Financial Plan

Funding

Acct Code	Account Title	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
23N-1	MTC Capital Account-State	40,000,000			
	Total	40,000,000	0	0	0

Future Fiscal Periods

		2023-25	2025-27	2027-29	2029-31
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 2021-23 Capital Budget Project List

Toxics Cleanup Program

Clean Up Toxic Sites - Puget Sound

8/13/2020

Purpose: This list provides project details about the 2021-23 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 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	Project Title	Project Description	Phase of Cleanup	Amount ('000s)	Site Address	City	County	Leg. District	Lat.	Long.
1	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.	Cleanup Construction	\$ 350	35th & V Street	Anacortes	Skagit	40	48.49	-122.60
2	Port Angeles Harbor (Rayonier Mill & Western Post 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), carcinogenic polycyclic 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.	Cleanup Construction	\$ 875	Western Port Angeles Harbor	Port Angeles	Clallam	24	48.13	-123.45
3	Cleanup Rule	Ecology's Toxics Cleanup Program (TCP) is working through a series of three rulemakings over the next ten years to update the Model Toxics Control Act (MTCA) Cleanup Rule. Based on our learning since the last rule update in 2001, the rule changes will enhance our ability to conduct and oversee the cleanup of more than 6,000 contaminated sites remaining in Washington. The cleanups – and the updated rules that will guide them – are critical to the future environmental and economic health of Washington. In 2021, we will adopt the first rule changes which includes an change to the Site Hazard and Assessment Ranking Process (SHARP). We will begin the second rulemaking to update technical cleanup standards. Funding for updating the Cleanup Rule will help MTCA stakeholders and tribes provide effective comments and recommendations during the second rulemaking of the update process. With the support of contracted environmental planning and facilitation services, TCP staff will hold Stakeholder and Tribal Advisory Group (STAG) meetings every six to eight weeks during periods of rule development and communicate with stakeholders and tribes. The proposed budget includes the costs associated with constituting and facilitating a science advisory committee, a process that will be critical for the 2nd rule making effort focused on the MTCA cleanup standards.	All	\$ 346	Statewide	Statewide	Statewide	Statewide	Statewide	Statewide

Rank	Project Title	Project Description	Phase of Cleanup	Amount ('000s)	Site Address	City	County	Leg. District	Lat.	Long.
4	Freshwater Natural Background	<p>Establishing freshwater sediment natural background for key chemicals will help get cleanup done faster and significantly reduce risks to human health and the environment. Sediment natural background is a key provision in the Sediment Management Standards rule, which we use to clean up contaminated sediment. For marine sediment cleanup sites in Puget Sound we have relied on the work we've done to establish natural and regional background to effectively move our cleanup work forward and freshwater systems are no different. When background is not established, site managers have to rely on the laboratory detection limit, a risk based value, or develop their own background values to establish cleanup levels. This can result in cleanup levels that are unnecessarily low and not implementable, inconsistent site-specific development or use of background values, or incomplete cleanups. The work will be completed in three phases:</p> <ol style="list-style-type: none"> 1. Sampling plans will be developed for two additional freshwater geographic regions in the state. 2. Field sampling, data analysis and evaluation, and development of a technical report for each geographic region. 3. Stakeholder technical workshops to provide an opportunity for the public to review and discuss the work. 	All	\$ 162	Statewide	Statewide	Statewide	Statewide	Statewide	Statewide
5	Western WA University	In 2021-23 biennium, this project will continue support of Huxley College's Science Management of Contaminated Sites (SMOCS) course.	All	\$ 200	Statewide	Statewide	Whatcom	Statewide	Statewide	Statewide
6	Whidbey Marine & Auto Supply	The Whidbey Marine and Auto Supply site consists of a petroleum release from a leaking underground storage tank. A 2017 Preliminary Planning Assessment reported that groundwater contamination had been confirmed in the perched groundwater zone and the deep sea-level aquifer, which serves as an important source of drinking water for Whidbey Island. Considerable field work has been completed on the site to characterize contamination. Funding is needed to fill data gaps and complete a Remedial Investigation/Feasibility Study (RI/FS), and Draft Cleanup Action Plan (CAP).	Cleanup Construction	\$ 750	1692 Main St.	Freeland	Island	10	48.01	-122.52
7	Bellingham Bay Site - Habitat Restoration	The aquatic habitat in the Bay has been significantly compromised by historical land use practices. Identified areas needing restoration include, but are not limited to, Little Squalicum Creek Estuary, Little Squalicum Beach, and Whatcom Creek Estuary. The Little Squalicum Creek Estuary and Little Squalicum Beach projects are fully permitted to complete construction and will increase salmonid habitat through activities such as creating/restoring spawning habitat for lost forage fish, installing a riparian buffer, and resolving land use issues related to public access and existing industrial activities. The Whatcom Creek project includes engineering design to remove creosote-treated piles and debris, soften shorelines, and place fish-friendly materials.	Cleanup Construction	\$ 1,500	N/A	Bellingham	Whatcom	42	48.75	-122.49

Rank	Project Title	Project Description	Phase of Cleanup	Amount ('000s)	Site Address	City	County	Leg. District	Lat.	Long.
8	Quendall Terminals	The Quendall Terminals site cleanup process is led by the US Environmental Protection Agency (EPA). The site has similar contaminants and is located in the same area as the Gas Works Park site. The requested funding is to review EPA's design of the Proposed Cleanup Action to ensure compliance with state cleanup standards and regulations.	Engineering Design	\$ 50	4503 Lake Washington Blvd N	Renton	King	41	47.53	-122.20
9	May Creek Landfill	Ecology entered into a Memorandum of Understanding with the US Environmental Protection Agency to share groundwater sampling responsibilities at the May Creek Landfill Site. Sampling results will be used to better understand contamination at the Site and appropriately plan any necessary response to groundwater contamination. Ecology has committed to conducting 8 sample events, with at least 3-4 of these occurring during the 2021-2023 biennium. Each sample event will draw samples from 7 monitoring wells.	Remedial Investigation	\$ 75	15753 SE Renton Issaquah Rd	Renton	King	11	47.50	-122.13
10	Treoil Industries	The Treoil Industries site is located at a bulk fuel storage and handling facility where a release of petroleum products contaminated soil and groundwater. Contamination was found to have entered nearby wetlands and waterbodies. The requested funding will be used to characterize the site and complete a Remedial Investigation, Feasibility Study, and Draft Cleanup Action Plan.	Cleanup Construction	\$ 500	4242 Aldergrove Rd.	Ferndale	Whatcom	42	48.88	-122.71
11	Time Oil Handy Andy 8	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. The 2021-23 request is for additional investigations to identify and move forward a permanent cleanup remedy. By funding these investigations for a more permanent cleanup, the state will be able to avoid funding long-term monitoring.	Engineering Design	\$ 1,000	3314 NW 44th St	Vancouver	Clark	49	45.65	-122.64
Total:				\$ 5,808						

**Department of Ecology
2021-2031 Capital Budget**

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 10:36AM

Project Number: 40000110

Project Title: 2019-21 Water Pollution Control Revolving Program

Description

Starting Fiscal Year: 2020

Project Class: Grant - Pass Through

Agency Priority: 30

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 or 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. 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 is requesting reappropriation to continue essential work through this loan program. Related to Puget Sound Action Agenda implementation. (Water Pollution Control Revolving Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

Project Type

Grants

Grant Recipient Organization: Public entities, local gov'ts, special purpose distr., quasi municipals, fed. 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. 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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reapps	New Approps
727-1	Water Pollution Cont-State	148,000,000			148,000,000	
727-2	Water Pollution Cont-Federal	56,000,000			56,000,000	
	Total	204,000,000	0	0	204,000,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
727-1	Water Pollution Cont-State					
727-2	Water Pollution Cont-Federal					

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Project Number: 40000110

Project Title: 2019-21 Water Pollution Control Revolving Program

Funding

Total

0

0

0

0

Operating Impacts

No Operating Impact

Capital Project Request

2021-23 Biennium

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Report Number: CBS002

Date Run: 8/21/2020 10:01AM

Project Number: 30000710

Project Title: Water Pollution Control Revolving Program

Description

Starting Fiscal Year: 2018

Project Class: Grant - Pass Through

Agency Priority: 31

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 or 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. 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 is requesting reappropriation to continue essential work through this loan program. Related to Puget Sound Action Agenda implementation. (Water Pollution Control Revolving Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

Project Type

Grants

Grant Recipient Organization: Public entities (SRF), local gov'ts, special purpose distr., quasi municipals, fed. recognized tribes

RCW that establishes grant: Chapter 90.50A RCW, chapter 17

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. The Fiscal Year 2017 Final Water Quality Funding Offer and Intended Use Plan is available on the Water Quality website: <http://www.ecy.wa.gov/programs/wq/funding/Opp/WQC/CyclePages/WQC2017.html>

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
727-1	Water Pollution Cont-State	160,000,000			160,000,000	
727-2	Water Pollution Cont-Federal	50,000,000		24,495,000	25,505,000	
	Total	210,000,000	0	24,495,000	185,505,000	0

Future Fiscal Periods

	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>
727-1 Water Pollution Cont-State				
727-2 Water Pollution Cont-Federal				

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2021-23 Biennium

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Report Number: CBS002

Date Run: 8/21/2020 10:01AM

Project Number: 30000710

Project Title: Water Pollution Control Revolving Program

Funding

Total

0

0

0

0

Operating Impacts

No Operating Impact

Capital Project Request

2021-23 Biennium

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Report Number: CBS002

Date Run: 8/21/2020 2:02PM

Project Number: 40000018

Project Title: VW Settlement Funded Projects

Description

Starting Fiscal Year: 2018

Project Class: Grant - Pass Through

Agency Priority: 32

Project Summary

The U.S. Department of Justice penalized Volkswagen AG (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. (General Fund- Private/Local)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

This project requires a total of 6.84 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.

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
001-7	General Fund-Private/Local	112,700,000	190,000	458,000	112,052,000	
	Total	112,700,000	190,000	458,000	112,052,000	0
Future Fiscal Periods						
		<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>	

Capital Project Request

2021-23 Biennium

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Date Run: 8/21/2020 2:02PM

Project Number: 40000018

Project Title: VW Settlement Funded Projects

Funding

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
001-7	General Fund-Private/Local				
Total		0	0	0	0

Operating Impacts

No Operating Impact

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 11:12AM

Project Number: 40000209

Project Title: 2019-21 Chehalis Basin Strategy

Description

Starting Fiscal Year: 2020

Project Class: Grant - Pass Through

Agency Priority: 33

Project Summary

The Chehalis River basin is at a crossroads. In the last 30 years alone, five of the largest floods in the Basin's recorded history have occurred. Not taking action could cost families and communities \$3.5 billion in flood and related damages over the next 100 years. It could cost even more with climate change impacts. Also, salmon and other aquatic species habitat has been degraded and survival of spring Chinook populations severely threatened. In 2016, the Legislature established the Office of Chehalis Basin in Ecology to aggressively pursue and oversee the implementation of an integrated Chehalis Basin Strategy to reduce long-term flood damage and restore aquatic species habitat in the Basin. Ecology requests funding for ongoing development and implementation of the Chehalis Basin Strategy (State Building Construction Account).

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

Project Type

Grants

Grant Recipient Organization: State, local, tribal, and community groups, agencies, and contractors

RCW that establishes grant: N/A

Application process used

Fiscal management of projects is provided through the Recreation and Conservation Office. Project lists are created through applying 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 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. Project lists for the ASRP early action work and the local flood damage reduction projects proposed for the 2019-21 Biennium are attached. 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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	73,907,000		4,246,000	69,661,000	
	Total	73,907,000	0	4,246,000	69,661,000	0
Future Fiscal Periods						
		<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

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Report Number: CBS002

Date Run: 8/21/2020 11:12AM

Project Number: 40000209

Project Title: 2019-21 Chehalis Basin Strategy

Operating Impacts

No Operating Impact

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

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Date Run: 8/21/2020 10:49AM

Project Number: 40000129

Project Title: 2019-21 Floodplains by Design

Description

Starting Fiscal Year: 2020

Project Class: Grant - Pass Through

Agency Priority: 34

Project Summary

In Washington, damages from flooding exceed damage by all other natural hazards. Since 1980, flooding has caused more than \$2 billion in damages, with highly populated areas in Western Washington most at risk. Past solutions to address flooding were often out of step with other ecosystem protection or restoration activities. Floodplains by Design is an integrated approach that combines flood-hazard reduction actions with salmon recovery, river and habitat restoration, and other public benefits. Floodplains by Design is public-private partnership between Ecology, The Nature Conservancy, and Puget Sound Partnership. Related to Puget Sound Action Agenda Implementation. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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, a technical team of flood risk and ecosystem restoration experts do the project scoring following program funding guidelines.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	50,400,000		1,282,000	49,118,000	
	Total	50,400,000	0	1,282,000	49,118,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Report Number: CBS002

Date Run: 8/21/2020 11:16AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

Description

Starting Fiscal Year: 2020

Project Class: Grant - Pass Through

Agency Priority: 35

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. RAGs support cleanup at contaminated industrial sites that impact the air, land, and water resources of the state, and continued cleanup of Puget Sound. This grant funding will protect public and environmental health, create jobs, promote economic redevelopment by allowing contaminated properties to be redeveloped, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

Project Type

Grants

Grant Recipient Organization: Local Government

RCW that establishes grant: Chapter 70.105D 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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
23N-1	MTC Capital Account-State	49,964,000		1,871,000	48,093,000	
	Total	49,964,000	0	1,871,000	48,093,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
23N-1	MTC Capital Account-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 10:53AM

Project Number: 40000144

Project Title: 2019-21 Stormwater Financial Assistance Program

Description

Starting Fiscal Year: 2020

Project Class: Grant - Pass Through

Agency Priority: 36

Project Summary

The Stormwater Financial Assistance Program (SFAP) provides grants to public entities to finance stormwater retrofit projects that treat polluted stormwater in priority areas through the state. Ecology distributes funds through a competitive rating and ranking process to ensure projects provide good water quality value and address problems from existing urban development. This request will fund work 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. Related to Puget Sound Action Agenda implementation. (Model Toxics Control Stormwater Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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

Acct Code	Account Title	Estimated Total	Expenditures		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
23R-1	MTC Stormw Account-State	49,006,000		2,485,000	46,521,000	
	Total	49,006,000	0	2,485,000	46,521,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
23R-1	MTC Stormw Account-State					
	Total	0	0	0	0	

Operating Impacts

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 10:53AM

Project Number: 40000144

Project Title: 2019-21 Stormwater Financial Assistance Program

Operating Impacts

No Operating Impact

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 11:01AM

Project Number: 40000152

Project Title: 2019-21 Columbia River Water Supply Development Program

Description

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 37

Project Summary

Ecology is requesting reappropriation 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 achieve substantial progress in the 2021-23 Biennium. Specifically, these funds will provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water supply for pending water right applications; develop a new, uninterrupted 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. (State Building Construction Account, State Taxable Building Construction Account, Columbia River Basin Water Supply Revenue Recovery Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	27,100,000		3,000	27,097,000	
296-1	Col River Bas Wtr Su-State	2,400,000			2,400,000	
355-1	St. Bld Const Acct-State	10,500,000			10,500,000	
	Total	40,000,000	0	3,000	39,997,000	0

Future Fiscal Periods

	2023-25	2025-27	2027-29	2029-31
057-1 State Bldg Constr-State				
296-1 Col River Bas Wtr Su-State				
355-1 St. Bld Const Acct-State				

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 11:01AM

Project Number: 40000152

Project Title: 2019-21 Columbia River Water Supply Development Program

Funding

Total

0

0

0

0

Operating Impacts

No Operating Impact

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Capital Project Request

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 11:04AM

Project Number: 40000177

Project Title: 2019-21 Streamflow Restoration Program

Description

Starting Fiscal Year: 2020

Project Class: Grant - Pass Through

Agency Priority: 38

Project Summary

Ecology is requesting reappropriation from the Watershed Restoration and Enhancement Bond Account to continue implementing the ESSB 6091 Streamflow Restoration Program during the 2021-23 Biennium that was passed in the 2018 legislative session. This request will fund projects that implement the ESSB 6091 local watershed planning process that improves instream flows statewide. This legislation provided \$300 million in bond authorization over 15 years for this work. With this request, Ecology will deliver additional water supplies to improve stream flow conditions for fish and wildlife. (Watershed Restoration and Enhancement Bond Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
366-1	Wtrshd Rst Enhnc Bnd-State	40,000,000		580,000	39,420,000	
	Total	40,000,000	0	580,000	39,420,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
366-1	Wtrshd Rst Enhnc Bnd-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 10:14AM

Project Number: 30000796

Project Title: 2017-19 Stormwater Financial Assistance Program

Description

Starting Fiscal Year: 2018

Project Class: Grant - Pass Through

Agency Priority: 39

Project Summary

The Stormwater Financial Assistance Program (SFAP) provides grants to public entities to finance stormwater retrofit projects that treat polluted stormwater in priority areas through the state. Ecology distributes funds through a competitive rating and ranking process to ensure projects provide good water quality value and address problems from existing urban development. This request will fund work 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. Related to Puget Sound Action Agenda implementation. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	25,000,000	83,000	1,376,000	23,541,000	
173-1	State Toxics Control-State	66,000	66,000			
23R-1	MTC Stormw Account-State	11,334,000		339,000	10,995,000	
	Total	36,400,000	149,000	1,715,000	34,536,000	0

Future Fiscal Periods

	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>
057-1	State Bldg Constr-State			
173-1	State Toxics Control-State			
23R-1	MTC Stormw Account-State			

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 10:14AM

Project Number: 30000796

Project Title: 2017-19 Stormwater Financial Assistance Program

Funding

Total

0

0

0

0

Operating Impacts

No Operating Impact

Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 11:18AM

Project Number: 40000288

Project Title: 2020 Remedial Action Grants

Description

Starting Fiscal Year: 2020

Project Class: Grant - Pass Through

Agency Priority: 40

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. RAGs support cleanup at contaminated industrial sites that impact the air, land, and water resources of the state, and continued cleanup of Puget Sound. This grant funding will protect public and environmental health, create jobs, promote economic redevelopment by allowing contaminated properties to be redeveloped, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

Project Type

Grants

Grant Recipient Organization: Local Government

RCW that establishes grant: Chapter 70.105D 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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
23N-1	MTC Capital Account-State	32,656,000			32,656,000	
	Total	32,656,000	0	0	32,656,000	0
Future Fiscal Periods						
		<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>	
23N-1	MTC Capital Account-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 11:25AM

Project Number: 92000076

Project Title: Storm Water Improvements

Description

Starting Fiscal Year: 2018

Project Class: Grant

Agency Priority: 41

Project Summary

Ecology manages the Stormwater Financial Assistance Program (SFAP) 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. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	60,000,000	22,349,000	6,119,000	31,532,000	
19G-1	ELS Account-State	36,966,000	36,966,000			
	Total	96,966,000	59,315,000	6,119,000	31,532,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
057-1	State Bldg Constr-State					
19G-1	ELS Account-State					
	Total	0	0	0	0	

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 11:25AM

Project Number: 92000076

Project Title: Storm Water Improvements

Operating Impacts

No Operating Impact

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 11:05AM

Project Number: 40000179

Project Title: 2019-21 Yakima River Basin Water Supply

Description

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 42

Project Summary

Current water resources infrastructure, programs, and policies in the Yakima River Basin have not been able to consistently meet the environmental and economic demands that support basin 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 reappropriation from the State Building Construction Account to continue implementing this program in cooperation with the U.S. Bureau of Reclamation (USBR) and local stakeholders. This program will support the regional economy and protect the environment. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	40,000,000		12,044,000	27,956,000	
	Total	40,000,000	0	12,044,000	27,956,000	0
Future Fiscal Periods						
		<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 9:57AM

Project Number: 30000706

Project Title: Floodplains by Design 2017-19

Description

Starting Fiscal Year: 2018

Project Class: Grant

Agency Priority: 43

Project Summary

In Washington, damages from flooding exceed damage by all other natural hazards. Since 1980, flooding has caused more than \$2 billion in damages, with highly populated areas in Western Washington most at risk. Past solutions to address flooding were often out of step with other ecosystem protection or restoration activities. Floodplains by Design is an integrated approach that combines flood-hazard reduction actions with salmon recovery, river and habitat restoration, and other public benefits. Floodplains by Design is public-private partnership between Ecology, The Nature Conservancy, and Puget Sound Partnership. Related to Puget Sound Action Agenda Implementation. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Grants

Grant Recipient Organization: Local gov't, tribes, conservation/flood ctrl districts, non-profits, and salmon recovery lead entities

RCW that establishes grant: N/A

Application process used

Preliminary proposals are submitted and reviewed by a group made up of Ecology staff and external stakeholders. Pre-proposals are screened for eligibility and those that qualify are asked to submit detailed applications.

Growth Management impacts

In some cases, the funded projects would support objectives in local Frequently Flooded Area provisions contained in Critical Area policies.

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	35,464,000	2,392,000	6,316,000	26,756,000	
	Total	35,464,000	2,392,000	6,316,000	26,756,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 9:33AM

Project Number: 30000458

Project Title: Remedial Action Grants

Description

Starting Fiscal Year: 2016

Project Class: Grant

Agency Priority: 44

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. RAGs support cleanup at contaminated industrial sites that impact the air, land, and water resources of the state, and continued cleanup of Puget Sound. This grant funding will protect public and environmental health, create jobs, promote economic redevelopment by allowing contaminated properties to be redeveloped, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Grants

Grant Recipient Organization: Local Government

RCW that establishes grant: Chapter 70.105D 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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	20,000,000	3,216,000	1,005,000	15,779,000	
174-1	Local Toxics Control-State	19,820,000	19,820,000			
23N-1	MTC Capital Account-State	12,927,000		2,547,000	10,380,000	
Total		52,747,000	23,036,000	3,552,000	26,159,000	0

Future Fiscal Periods

	2023-25	2025-27	2027-29	2029-31
057-1 State Bldg Constr-State				

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 9:33AM

Project Number: 30000458

Project Title: Remedial Action Grants

Funding

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
174-1	Local Toxics Control-State				
23N-1	MTC Capital Account-State				
Total		0	0	0	0

Operating Impacts

No Operating Impact

Capital Project Request

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 10:43AM

Project Number: 40000116

Project Title: 2019-21 Centennial Clean Water Program

Description

Starting Fiscal Year: 2020

Project Class: Grant - Pass Through

Agency Priority: 45

Project Summary

This request for Ecology's Centennial Clean Water Program (CCWP) will provide grants to public entities to finance construction of water pollution control facilities and plan 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. Related to Puget Sound Action Agenda implementation. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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, Water Poll

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	30,000,000		4,053,000	25,947,000	
	Total	30,000,000	0	4,053,000	25,947,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 10:43AM

Project Number: 40000116

Project Title: 2019-21 Centennial Clean Water Program

Operating Impacts

No Operating Impact

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 10:02AM

Project Number: 30000712

Project Title: Columbia River Water Supply Development Program

Description

Starting Fiscal Year: 2018

Project Class: Grant

Agency Priority: 46

Project Summary

Ecology is requesting reappropriation 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 achieve substantial progress in the 2021-23 Biennium. Specifically, these funds will provide an alternative to groundwater for agricultural users in the Odessa Subarea aquifer; deliver new sources of water supply for pending water right applications; develop a new, uninterrupted 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. With this request, Ecology will deliver additional water supplies for agricultural purposes, meet the water needs for growing communities, make several existing water uses more efficient, and improve stream flow conditions for fish and wildlife. (State Building Construction Account, Columbia River Basin Water Supply Development Account, Columbia River Basin Water Supply Revenue Recovery Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	19,550,000	25,000	5,877,000	13,648,000	
10P-1	Col River Water-State	12,250,000		2,641,000	9,609,000	
10P-B	Col River Water-Debt Limit					
296-1	Col River Bas Wtr Su-State	2,000,000			2,000,000	
Total		33,800,000	25,000	8,518,000	25,257,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	

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Capital Project Request**

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 10:02AM

Project Number: 30000712

Project Title: Columbia River Water Supply Development Program

Funding

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
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

Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 9:35AM

Project Number: 30000535

Project Title: Stormwater Financial Assistance Program

Description

Starting Fiscal Year: 2018

Project Class: Grant

Agency Priority: 47

Project Summary

The Stormwater Financial Assistance Program (SFAP) provides grants to public entities to finance stormwater retrofit projects that treat polluted stormwater in priority areas through the state. Ecology distributes funds through a competitive rating and ranking process to ensure projects provide good water quality value and address problems from existing urban development. This request will fund work 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. Related to Puget Sound Action Agenda implementation. (Model Toxics Control Stormwater Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
174-1	Local Toxics Control-State	4,251,000	4,251,000			
23R-1	MTC Stormw Account-State	26,950,000		3,910,000	23,040,000	
	Total	31,201,000	4,251,000	3,910,000	23,040,000	0
Future Fiscal Periods						
		<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>	
174-1	Local Toxics Control-State					

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Capital Project Request**

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 9:35AM

Project Number: 30000535

Project Title: Stormwater Financial Assistance Program

Funding

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
23R-1	MTC Stormw Account-State				
Total		0	0	0	0

Operating Impacts

No Operating Impact

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 9:55AM

Project Number: 30000705

Project Title: 2017-19 Centennial Clean Water program

Description

Starting Fiscal Year: 2018

Project Class: Grant - Pass Through

Agency Priority: 48

Project Summary

This request for Ecology's Centennial Clean Water Program (CCWP) will provide grants to public entities to finance construction of water pollution control facilities and plan 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. Related to Puget Sound Action Agenda implementation. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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 funding approach using a joint application, evaluation, and rating and ranking process for the State Revolving Fund, 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 October through December. Project proposals are evaluated and points are assigned according to an objective rating system that identifies the highest priority water quality needs statewide. In January, Ecology produces a 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. The Fiscal Year 2017 Final Offer and Applicant List is available on the Water Quality website: <http://www.ecy.wa.gov/programs/wq/funding/Opp/WQC/CyclePages/WQC2017.html>

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	35,000,000	4,771,000	7,297,000	22,932,000	
	Total	35,000,000	4,771,000	7,297,000	22,932,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 9:55AM

Project Number: 30000705

Project Title: 2017-19 Centennial Clean Water program

Operating Impacts

No Operating Impact

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 10:15AM

Project Number: 30000797

Project Title: 2015-17 Restored Stormwater Financial Assistance

Description

Starting Fiscal Year: 2018

Project Class: Grant - Pass Through

Agency Priority: 49

Project Summary

The Stormwater Financial Assistance Program (SFAP) provides grants to public entities to finance stormwater retrofit projects that treat polluted stormwater in priority areas through the state. Ecology distributes funds through a competitive rating and ranking process to ensure projects provide good water quality value and address problems from existing urban development. This request will fund work 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. Related to Puget Sound Action Agenda implementation. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	30,100,000	3,030,000	4,931,000	22,139,000	
	Total	30,100,000	3,030,000	4,931,000	22,139,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 10:15AM

Project Number: 30000797

Project Title: 2015-17 Restored Stormwater Financial Assistance

Operating Impacts

No Operating Impact

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 9/1/2020 11:13AM

Project Number: 30000670

Project Title: ASARCO Cleanup

Description

Starting Fiscal Year: 2018

Project Class: Grant

Agency Priority: 50

Project Summary

This request continues cleanup work related to the ASARCO settlement. ASARCO operated smelters in Everett and Tacoma that released arsenic, lead, and other contamination into the air. The pollution settled down to earth in the Everett and Tacoma Smelter Plumes. This request will protect public and environmental health, create jobs, and promote economic development by allowing contaminated properties to be redeveloped. (Cleanup Settlement Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

This request requires a total of 10.35 FTEs to continue supporting the ASARCO remediation activities in Tacoma as part of the cleanup plans with current staff levels. Please note, these FTEs support both this reappropriation and other related reappropriation and new appropriation projects.

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Grants

Grant Recipient Organization: Department of Ecology

RCW that establishes grant: Chapter 70.105D 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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
15H-1	Cleanup Set Acct-State	28,760,000	6,307,000	3,153,000	19,300,000	
	Total	28,760,000	6,307,000	3,153,000	19,300,000	0
Future Fiscal Periods						
		<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>	
15H-1	Cleanup Set Acct-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 8:55AM

Project Number: 30000216

Project Title: Remedial Action Grant Program

Description

Starting Fiscal Year: 2012

Project Class: Grant - Pass Through

Agency Priority: 51

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. RAGs support cleanup at contaminated industrial sites that impact the air, land, and water resources of the state, and continued cleanup of Puget Sound. This grant funding will protect public and environmental health, create jobs, promote economic redevelopment by allowing contaminated properties to be redeveloped, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

Project Type

Grants

Grant Recipient Organization: Statewide

RCW that establishes grant: Chapter 70.105D 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 70.105D 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 70.105D 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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
174-1	Local Toxics Control-State	44,261,000	44,261,000			
23N-1	MTC Capital Account-State	18,603,000		1,225,000	17,378,000	
	Total	62,864,000	44,261,000	1,225,000	17,378,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
174-1	Local Toxics Control-State					

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 8:55AM

Project Number: 30000216

Project Title: Remedial Action Grant Program

Funding

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
23N-1	MTC Capital Account-State				
Total		0	0	0	0

Operating Impacts

No Operating Impact

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 2:06PM

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: 52

Project Summary

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. Ecology will 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. 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. (Air Pollution Control Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

This project requires a total of 0.69 FTE. These staff will administer the program, including developing and soliciting applications, drafting grant guidelines, contracting with grant recipients, contracting with technology and service vendors, providing technical assistance, processing vendor/recipient payments, agreement maintenance and oversight, and closing grant awards.

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
216-1	Air Pollution Ctl Ac-State	28,400,000	4,594,000	6,543,000	17,263,000	
	Total	28,400,000	4,594,000	6,543,000	17,263,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
216-1	Air Pollution Ctl Ac-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 10:51AM

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: 53

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. This emphasis on bay-wide cleanup in Puget 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. Related to Puget Sound Action Agenda implementation. (Model Toxics Control Capital Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
23N-1	MTC Capital Account-State	12,767,000		158,000	12,609,000	
	Total	12,767,000	0	158,000	12,609,000	0
Future Fiscal Periods						
		<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>	
23N-1	MTC Capital Account-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 10:45AM

Project Number: 40000117

Project Title: 2019-21 Eastern Washington Clean Sites Initiative

Description

Starting Fiscal Year: 2020

Project Class: Grant - Pass Through

Agency Priority: 54

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 funding 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

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
23N-1	MTC Capital Account-State	12,110,000			12,110,000	
	Total	12,110,000	0	0	12,110,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
23N-1	MTC Capital Account-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 9:38AM

Project Number: 30000537

Project Title: Floodplains by Design

Description

Starting Fiscal Year: 2016

Project Class: Grant - Pass Through

Agency Priority: 55

Project Summary

In Washington, damages from flooding exceed damage by all other natural hazards. Since 1980, flooding has caused more than \$2 billion in damages, with highly populated areas in Western Washington most at risk. Past solutions to address flooding were often out of step with other ecosystem protection or restoration activities. Floodplains by Design is an integrated approach that combines flood-hazard reduction actions with salmon recovery, river and habitat restoration, and other public benefits. Floodplains by Design is public-private partnership between Ecology, The Nature Conservancy, and Puget Sound Partnership. Related to Puget Sound Action Agenda Implementation. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

Project Type

Grants

Grant Recipient Organization: Local gov, tribes, conservation/flood ctrl districts, non-profits, and salmon recovery lead entities

RCW that establishes grant: N/A

Application process used

Preliminary proposals are submitted and reviewed by a group made up of Ecology staff and external stakeholders. Pre-proposals are screened for eligibility and those that qualify are asked to submit detailed applications.

Growth Management impacts

In some cases, the funded projects would support objectives in local Frequently Flooded Area provisions contained in Critical Area policies.

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	35,560,000	16,191,000	8,827,000	10,542,000	
	Total	35,560,000	16,191,000	8,827,000	10,542,000	0
Future Fiscal Periods						
		<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 10:17AM

Project Number: 40000006

Project Title: Catastrophic Flood Relief

Description

Starting Fiscal Year: 2018

Project Class: Grant - Pass Through

Agency Priority: 56

Project Summary

Ecology requests reappropriation to continue this project that was originally appropriated in the 2017-19 Biennium. Five of the largest floods in Chehalis River basin's history occurred in the last 30 years. Not taking action could cost \$3.5 billion in flood and related damages to Basin families, communities, farms and businesses over the next 100 years, more with climate change. Salmon habitat is degraded and survival of spring-run chinook populations is severely threatened. In 2016, the Legislature established the Office of Chehalis Basin in Ecology to aggressively pursue and oversee the implementation of an integrated Chehalis Basin Strategy to reduce long-term damages from floods and restore aquatic species habitat in the Basin. This funds reappropriation helps the state accomplish the goals laid out in the Chehalis Basin Strategy. (General Fund-Federal)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

Project Type

Grants

Grant Recipient Organization: State, local, tribal, and community groups and consultants

RCW that establishes grant: N/A

Application process used

To be determined. This is a new grant program, and the details of how dollars will be awarded have yet to be decided.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
001-2	General Fund-Federal	10,000,000			10,000,000	
057-1	State Bldg Constr-State	50,000,000	26,995,000	23,005,000		
	Total	60,000,000	26,995,000	23,005,000	10,000,000	0
Future Fiscal Periods						
		<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>	
001-2	General Fund-Federal					
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 9:28AM

Project Number: 30000374

Project Title: Remedial Action Grants

Description

Starting Fiscal Year: 2014

Project Class: Grant - Pass Through

Agency Priority: 57

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. RAGs support cleanup at contaminated industrial sites that impact the air, land, and water resources of the state, and continued cleanup of Puget Sound. This grant funding will protect public and environmental health, create jobs, promote economic redevelopment by allowing contaminated properties to be redeveloped, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

Project Type

Grants

Grant Recipient Organization: Local Government

RCW that establishes grant: Chapter 70.105D 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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
174-1	Local Toxics Control-State	52,048,000	52,048,000			
23N-1	MTC Capital Account-State	10,489,000		944,000	9,545,000	
	Total	62,537,000	52,048,000	944,000	9,545,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
174-1	Local Toxics Control-State					
23N-1	MTC Capital Account-State					
	Total	0	0	0	0	

Operating Impacts

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 9:28AM

Project Number: 30000374

Project Title: Remedial Action Grants

Operating Impacts

No Operating Impact

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 9:36AM

Project Number: 30000536

Project Title: Coastal Wetlands Federal Funds

Description

Starting Fiscal Year: 2016

Project Class: Grant - Pass Through

Agency Priority: 58

Project Summary

Ecology requests reappropriation authority for the National Coastal Wetland Conservation Grant program administered by the U.S. Fish & Wildlife Service. This federal grant program provides financing to protect important coastal and estuarine areas that have significant conservation, recreation, or ecological value. Coastal wetlands comprise less than 10 percent of U.S. land area, but support a high percentage of the nation's threatened and endangered species, fishery resources, migratory song birds, and migrating and wintering waterfowl. Ecology administers the pass through of these federal grants to other state or local government entities, tribes and non-governmental organizations. This funding was originally appropriated in the 2013-15 Biennium Capital Budget. (General Fund Federal)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

Project Type

Grants

Grant Recipient Organization: Unknown until grant awards are made.

RCW that establishes grant: N/A

Application process used

Ecology helps local governments, state agencies, tribes, and nonprofit organizations apply for federal funding. Funding applications are due in June for National Coastal Wetlands Grants and April for Coastal and Estuarine Land Conservation Program grants.

Growth Management impacts

None; some local governments may secure grants to protect wetlands within their jurisdictions.

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
001-2	General Fund-Federal	10,000,000		1,013,000	8,987,000	
	Total	10,000,000	0	1,013,000	8,987,000	0
Future Fiscal Periods						
		<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>	
001-2	General Fund-Federal					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 8:25AM

Project Number: 19972012

Project Title: Low-Level Nuclear Waste Disposal Trench Closure

Description

Starting Fiscal Year: 1997

Project Class: Grant - Pass Through

Agency Priority: 59

Project Summary

Ecology is requesting reappropriation 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 2021-23. 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. 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. (Site Closure Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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

Acct Code	Account Title	Estimated Total	Expenditures		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
125-1	Site Closure Account-State	13,402,000	4,910,000	10,000	8,482,000	
	Total	13,402,000	4,910,000	10,000	8,482,000	0

Future Fiscal Periods

461 - Department of Ecology Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 8:25AM

Project Number: 19972012

Project Title: Low-Level Nuclear Waste Disposal Trench Closure

Funding

	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>
125-1 Site Closure Account-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

461 - Department of Ecology

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 9:31AM

Project Number: 30000432

Project Title: Eastern Washington Clean Sites Initiative

Description

Starting Fiscal Year: 2016

Project Class: Grant

Agency Priority: 60

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 funding 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

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
173-1	State Toxics Control-State	1,250,000	1,250,000			
23N-1	MTC Capital Account-State	8,650,000		364,000	8,286,000	
	Total	9,900,000	1,250,000	364,000	8,286,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
173-1	State Toxics Control-State					
23N-1	MTC Capital Account-State					
	Total	0	0	0	0	

Operating Impacts

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 9:31AM

Project Number: 30000432

Project Title: Eastern Washington Clean Sites Initiative

Operating Impacts

No Operating Impact

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 11:07AM

Project Number: 40000194

Project Title: 2019-21 Protect Investments in Cleanup Remedies

Description

Starting Fiscal Year: 2020

Project Class: Grant - Pass Through

Agency Priority: 61

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 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. (Model Toxics Control Capital Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
23N-1	MTC Capital Account-State	8,204,000		916,000	7,288,000	
	Total	8,204,000	0	916,000	7,288,000	0
Future Fiscal Periods						
		<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>	
23N-1	MTC Capital Account-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 11:21AM

Project Number: 91000343

Project Title: Water Availability

Description

Starting Fiscal Year: 2018

Project Class: Grant - Pass Through

Agency Priority: 62

Project Summary

Ecology is requesting reappropriation to continue implementing the ESSB 6091 Streamflow Restoration Program. This request will fund projects that implement the ESSB 6091 local watershed planning process that improves instream flows statewide. With this request, Ecology will deliver additional water supplies to improve stream flow conditions for fish and wildlife. (Watershed Restoration and Enhancement Bond Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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

A reliable, year-round supply of water is necessary for new homes or developments. Before the Oct. 6, 2016, court decision (Hirst), many counties relied on what the Ecology said about whether year-round water was available in their area. This court decision changes that. In the Whatcom County vs. Hirst, Futurewise, et al. decision (the Hirst Decision), the court ruled that the county failed to comply with GMA requirements to protect water resources. The ruling requires the county to make an independent decision about legal water availability.

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
366-1	Wtrshd Rst Enhnc Bnd-State	13,600,000	67,000	6,452,000	7,081,000	
	Total	13,600,000	67,000	6,452,000	7,081,000	0
Future Fiscal Periods						
		<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>	
366-1	Wtrshd Rst Enhnc Bnd-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 10:40AM

Project Number: 40000114

Project Title: 2019-21 ASARCO Cleanup

Description

Starting Fiscal Year: 2020

Project Class: Grant - Pass Through

Agency Priority: 63

Project Summary

This request continues 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. This request will protect public and environmental health, create jobs, and promote economic development by allowing contaminated properties to be redeveloped. Related to Puget Sound Action Agenda Implementation. (Cleanup Settlement Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

Project Type

Grants

Grant Recipient Organization: Department of Ecology

RCW that establishes grant: Chapter 70.105D 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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
15H-1	Cleanup Set Acct-State	6,800,000			6,800,000	
	Total	6,800,000	0	0	6,800,000	0
Future Fiscal Periods						
		<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>	
15H-1	Cleanup Set Acct-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 9:41AM

Project Number: 30000542

Project Title: Cleanup Toxics Sites - Puget Sound

Description

Starting Fiscal Year: 2016

Project Class: Grant

Agency Priority: 64

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. This emphasis on bay-wide cleanup in Puget 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. Related to Puget Sound Action Agenda implementation. (Model Toxics Control Capital Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
173-1	State Toxics Control-State	6,496,000	6,496,000			
23N-1	MTC Capital Account-State	7,885,000		1,591,000	6,294,000	
	Total	14,381,000	6,496,000	1,591,000	6,294,000	0
Future Fiscal Periods						
		<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>	
173-1	State Toxics Control-State					
23N-1	MTC Capital Account-State					
	Total	0	0	0	0	

Operating Impacts

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 9:41AM

Project Number: 30000542

Project Title: Cleanup Toxics Sites - Puget Sound

Operating Impacts

No Operating Impact

Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 9:46AM

Project Number: 30000590

Project Title: Yakima River Basin Water Supply

Description

Starting Fiscal Year: 2016

Project Class: Grant - Pass Through

Agency Priority: 65

Project Summary

Current water resources infrastructure, programs, and policies in the Yakima River Basin have not been able to consistently meet the environmental and economic demands that support Basin 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 reappropriation 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. (State Building Construction Account and State Taxable Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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 Columbia River Basin Policy Advisory Group.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	9,800,000	5,864,000	2,630,000	1,306,000	
355-1	St. Bld Const Acct-State	20,200,000	16,152,000	72,000	3,976,000	
	Total	30,000,000	22,016,000	2,702,000	5,282,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
057-1	State Bldg Constr-State					
355-1	St. Bld Const Acct-State					
	Total	0	0	0	0	

Operating Impacts

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Capital Project Request**

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 9:46AM

Project Number: 30000590

Project Title: Yakima River Basin Water Supply

Operating Impacts

No Operating Impact

Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 10:59AM

Project Number: 40000149

Project Title: Healthy Housing Remediation Program

Description

Starting Fiscal Year: 2020

Project Class: Grant - Pass Through

Agency Priority: 66

Project Summary

Washington is in dire need of affordable housing across the state. The 2017 Annual Report of the Affordable Housing Advisory Board (<http://www.commerce.wa.gov/wp-content/uploads/2018/04/AHAB-2017-Report.pdf>) notes that housing supply and affordability affect all Washington communities, and rents 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 respond to 2018 legislative direction by funding public, nonprofit, or private affordable housing developers' cleanup costs. Funding the program will invest in a social good (housing) beyond the traditional economic good of redeveloping contaminated properties for commercial and industrial purposes. Related to Puget Sound Action Agenda implementation. (Model Toxics Control Capital Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

Project Type

Grants

Grant Recipient Organization: Local Governments, Nonprofit, and Private Housing Organizations

RCW that establishes grant: N/A

Application process used

In June 2018, Ecology solicited local governments, nonprofit, and private housing organizations for potential cleanup projects (this includes remedial investigation, feasibility studies, and cleanup plan development) that will lead to creating affordable housing units. Ecology's existing Remedial Action Grant application was modified to include housing information. This was coordinated with Commerce. Ecology solicited projects through Ecology's Administration of Grants and Loans (EAGL) system. The solicitation will help Ecology and Commerce understand funding needs for cleaning up contaminated site(s) and the suitability of the planned location for housing. Ecology expected to receive more applications, but many potential applicants reported that while they were interested, they were unable to plan and complete an application in the brief solicitation period. The estimates do not include future cleanup costs and some or all of the grant recipients will likely request funding support for future cleanup activities. Costs include set up and modification of 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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
23N-1	MTC Capital Account-State	5,000,000			5,000,000	
	Total	5,000,000	0	0	5,000,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
23N-1	MTC Capital Account-State					

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 10:59AM

Project Number: 40000149

Project Title: Healthy Housing Remediation Program

Funding

Total

0

0

0

0

Operating Impacts

No Operating Impact

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 10:19AM

Project Number: 40000108

Project Title: Healthy Housing Remediation Program (Mount Baker)

Description

Starting Fiscal Year: 2018

Project Class: Grant - Pass Through

Agency Priority: 67

Project Summary

The Mount Baker Housing Association (MBHA) is a not-for-profit organization with a mission to create quality affordable housing in southeast Seattle. The organization is in the process of redeveloping five contaminated properties (the site) for affordable housing. Ecology and the MBHA entered into a Prospective Purchaser Consent Decree (PPCD). The objective of the PPCD is to facilitate site cleanup by the MBHA to allow for redevelopment and reuse as transit-oriented affordable housing. Ecology will pass through this funding to the MBHA as outlined in the PPCD. This reappropriation request supports development and completion of the plans and specifications to finalize the Cleanup Action Plan (CAP), conduct pilot testing of the groundwater treatment, complete the engineering design report, and conduct related public notice and outreach. (Model Toxics Control Capital Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

Project Type

Grants

Grant Recipient Organization: MBHA

RCW that establishes grant: N/A

Application process used

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
173-1	State Toxics Control-State	600,000	600,000			
23N-1	MTC Capital Account-State	4,500,000			4,500,000	
	Total	5,100,000	600,000	0	4,500,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
173-1	State Toxics Control-State					
23N-1	MTC Capital Account-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 10:39AM

Project Number: 40000111

Project Title: 2019-21 Sunnyside Valley Irrigation District Water Conservation

Description

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 68

Project Summary

The United States Bureau of Reclamation (USBR) 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 multiyear projects, and Ecology is requesting reappropriation of funding to cover our required state match of 17.5 percent of total project costs for the next four or five biennia. The Sunnyside Valley Irrigation District (SVID) Phase 2B project cost is estimated at \$80 million, and Ecology's cost share is \$14 million over a 13 to 15 year construction period. Ecology requests reappropriation to continue the construction schedule for the state's share of the Yakima River Basin Water Enhancement Project in the 2021-23 Biennium. Costs share to meet state obligations are still required. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	4,234,000			4,234,000	
	Total	4,234,000	0	0	4,234,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 10:05AM

Project Number: 30000714

Project Title: Watershed Plan Implementation and Flow Achievement

Description

Starting Fiscal Year: 2018

Project Class: Grant - Pass Through

Agency Priority: 69

Project Summary

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. 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. These projects and acquisitions will help watershed units meet future water needs while achieving recommended instream flows. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	5,000,000	449,000	460,000	4,091,000	
	Total	5,000,000	449,000	460,000	4,091,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 9:58AM

Project Number: 30000707

Project Title: 2017-19 Remedial Action Grants

Description

Starting Fiscal Year: 2018

Project Class: Grant

Agency Priority: 70

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. RAGs support cleanup at contaminated industrial sites that impact the air, land, and water resources of the state, and continued cleanup of Puget Sound. This grant funding will protect public and environmental health, create jobs, promote economic redevelopment by allowing contaminated properties to be redeveloped, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Grants

Grant Recipient Organization: Local Government

RCW that establishes grant: Chapter 70.105D 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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
174-1	Local Toxics Control-State	5,000	5,000			
23N-1	MTC Capital Account-State	5,872,000		2,246,000	3,626,000	
	Total	5,877,000	5,000	2,246,000	3,626,000	0

Future Fiscal Periods

	2023-25	2025-27	2027-29	2029-31
174-1 Local Toxics Control-State				
23N-1 MTC Capital Account-State				

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 9:58AM

Project Number: 30000707

Project Title: 2017-19 Remedial Action Grants

Funding

Total

0

0

0

0

Operating Impacts

No Operating Impact

Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 8:52AM

Project Number: 30000039

Project Title: Remedial Action Grant Program

Description

Starting Fiscal Year: 2010

Project Class: Grant - Pass Through

Agency Priority: 72

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. RAGs support cleanup at contaminated industrial sites that impact the air, land, and water resources of the state, and continued cleanup of Puget Sound. This grant funding will protect public and environmental health, create jobs, promote economic redevelopment by allowing contaminated properties to be redeveloped, and leverage local match funding for this work. Related to Puget Sound Action Agenda Implementation. (Model Toxics Control Capital Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

Project Type

Grants

Grant Recipient Organization: Local Governments

RCW that establishes grant: Chapter 70.105D 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 70.105D 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 70.105D 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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	37,700,000	37,700,000			
174-1	Local Toxics Control-State	33,878,000	33,878,000			
23N-1	MTC Capital Account-State	3,531,000		638,000	2,893,000	
Total		75,109,000	71,578,000	638,000	2,893,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	

**461 - Department of Ecology
Capital Project Request**

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 8:52AM

Project Number: 30000039

Project Title: Remedial Action Grant Program

Funding

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
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

Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 9:30AM

Project Number: 30000427

Project Title: Centennial Clean Water Program

Description

Starting Fiscal Year: 2016

Project Class: Grant - Pass Through

Agency Priority: 73

Project Summary

This request for Ecology's Centennial Clean Water Program (CCWP) will provide grants to public entities to finance construction of water pollution control facilities and plan 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. Related to Puget Sound Action Agenda implementation. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

Project Type

Grants

Grant Recipient Organization: Public entities eligible to receive funding per chapter 70.146 RCW and chapter 173.95A WAC

RCW that establishes grant: Chapter 70.146 RCW

Application process used

Ecology manages an integrated funding approach using a joint application, evaluation, and rating and ranking process for the State Revolving Fund, Centennial Clean Water Program, and the Clean Water Act Section 319 federal grant program. The application period begins on September 1 and continues through the first Friday in November. Ecology staff screens, reviews, and rates and ranks the applications from November through December. We evaluate and assign points according to an objective rating system that identifies the highest priority water quality needs statewide. In January, Ecology produces a draft project list for the Legislature to use during budget considerations. A draft list for all three programs is developed and becomes final on July 1 or sooner, contingent on capital budget appropriations. The Fiscal Year 2015 Final Offer and Applicant List is available on the Water Quality website:

"<http://www.ecy.wa.gov/programs/wq/funding>"><http://www.ecy.wa.gov/programs/wq/funding>

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	12,500,000	11,467,000	202,000	831,000	
174-1	Local Toxics Control-State	7,353,000	7,353,000			
23N-1	MTC Capital Account-State	2,647,000		641,000	2,006,000	
	Total	22,500,000	18,820,000	843,000	2,837,000	0

Future Fiscal Periods

	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>
057-1 State Bldg Constr-State				
174-1 Local Toxics Control-State				

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 9:30AM

Project Number: 30000427

Project Title: Centennial Clean Water Program

Funding

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
23N-1	MTC Capital Account-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 9:12AM

Project Number: 30000280

Project Title: ASARCO - Tacoma Smelter Plume and Mines

Description

Starting Fiscal Year: 2012

Project Class: Grant - Pass Through

Agency Priority: 74

Project Summary

This request continues cleanup work related to the ASARCO settlement sites for the Monte Cristo and Van Stone mines.
(Cleanup Settlement Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

Project Type

Grants

Grant Recipient Organization: Department of Ecology

RCW that establishes grant: Chapter 70.105D 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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
15H-1	Cleanup Set Acct-State	20,647,000	17,798,000	13,000	2,836,000	
	Total	20,647,000	17,798,000	13,000	2,836,000	0
Future Fiscal Periods						
		<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>	
15H-1	Cleanup Set Acct-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 9:52AM

Project Number: 30000673

Project Title: Sunnyside Valley Irrigation District Water Conservation

Description

Starting Fiscal Year: 2018

Project Class: Grant

Agency Priority: 75

Project Summary

The United States Bureau of Reclamation (USBR) 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 multiyear projects, and Ecology is requesting reappropriation of funding to cover our required state match of 17.5 percent of total project costs for the next four or five biennia. The Sunnyside Valley Irrigation District (SVID) Phase 2B project cost is estimated at \$80 million, and Ecology's cost share is \$14 million over a 13 to 15 year construction period. Ecology requests reappropriation to continue the construction schedule for the state's share of the Yakima River Basin Water Enhancement Project in the 2021-23 Biennium. Costs share to meet state obligations are still required. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	4,684,000	1,759,000	268,000	2,657,000	
	Total	4,684,000	1,759,000	268,000	2,657,000	0
Future Fiscal Periods						
		<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 10:13AM

Project Number: 30000763

Project Title: 2015-17 Restored Clean Up Toxic Sites – Puget Sound

Description

Starting Fiscal Year: 2018

Project Class: Grant

Agency Priority: 76

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. This emphasis on bay-wide cleanup in Puget 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. Related to Puget Sound Action Agenda implementation. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	5,240,000	1,247,000	1,493,000	2,500,000	
	Total	5,240,000	1,247,000	1,493,000	2,500,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 9:54AM

Project Number: 30000704

Project Title: 2015-17 Restored Eastern Washington Clean Sites Initiative

Description

Starting Fiscal Year: 2018

Project Class: Grant

Agency Priority: 77

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 funding will continue the initiative to have a statewide cleanup program by making investments outside of the Puget Sound Basin and Western Washington. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	2,436,000	50,000	35,000	2,351,000	
	Total	2,436,000	50,000	35,000	2,351,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 10:07AM

Project Number: 30000740

Project Title: Water Irrigation Efficiencies Program

Description

Starting Fiscal Year: 2018

Project Class: Grant

Agency Priority: 78

Project Summary

The Water Irrigation Efficiencies Program is a statewide effort 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. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	6,500,000	2,536,000	1,621,000	2,343,000	
	Total	6,500,000	2,536,000	1,621,000	2,343,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 9:14AM

Project Number: 30000331

Project Title: Watershed Plan Implementation and Flow Achievement

Description

Starting Fiscal Year: 2014

Project Class: Grant - Pass Through

Agency Priority: 79

Project Summary

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. 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. These projects and acquisitions will help watershed units meet future water needs while achieving recommended instream flows. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	10,000,000	7,293,000	382,000	2,325,000	
	Total	10,000,000	7,293,000	382,000	2,325,000	0
Future Fiscal Periods						
		<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 11:23AM

Project Number: 91000347

Project Title: Skagit Water

Description

Starting Fiscal Year: 2018

Project Class: Grant - Pass Through

Agency Priority: 81

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. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	2,500,000	69,000	157,000	2,274,000	
	Total	2,500,000	69,000	157,000	2,274,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 11:14AM

Project Number: 40000210

Project Title: Chemical Action Plan Implementation

Description

Starting Fiscal Year: 2020

Project Class: Grant - Pass Through

Agency Priority: 82

Project Summary

Ecology addresses impacts from Washington's most problematic chemicals through Chemical Action Plans (CAPs). CAPs identify uses, releases, and sources of exposure to persistent, bioaccumulative and toxic chemicals and recommend steps to reduce and eliminate future releases. Ecology and the Department of Health (DOH) have completed five CAPs (three-toxic chemicals and two-heavy metals). The agencies recently released interim recommendations for a sixth CAP, addressing PFAS (per- and polyfluorinated alkyl substances) contamination in drinking water and sources of PFAS contamination. Ecology is requesting funding to implement CAP recommendations. Washington residents are being exposed to PFAS, Polychlorinated Biphenyls (PCBs), lead and other toxics because preventable releases of these chemicals have not been addressed. This request is for funding to implement CAP recommendations. Related to Puget Sound Action Agenda implementation. (Model Toxics Control Capital Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

Project Type

Grants

Grant Recipient Organization: Local governments

RCW that establishes grant: N/A

Application process used

Ecology will coordinate with the LSC Partnership to develop and implement new guidelines and criteria for the product replacement element to be incorporated into the existing LSC contractual framework.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
23N-1	MTC Capital Account-State	3,704,000		1,487,000	2,217,000	
	Total	3,704,000	0	1,487,000	2,217,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
23N-1	MTC Capital Account-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 9:39AM

Project Number: 30000538

Project Title: ASARCO Cleanup

Description

Starting Fiscal Year: 2016

Project Class: Grant - Pass Through

Agency Priority: 83

Project Summary

This request continues cleanup work related to the ASARCO Everett Smelter and the Van Stone Mine sites. (Cleanup Settlement Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

Project Type

Grants

Grant Recipient Organization: Department of Ecology

RCW that establishes grant: Chapter 70.105D 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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
15H-1	Cleanup Set Acct-State	12,146,000	9,745,000	334,000	2,067,000	
	Total	12,146,000	9,745,000	334,000	2,067,000	0
Future Fiscal Periods						
		<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>	
15H-1	Cleanup Set Acct-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 10:10AM

Project Number: 30000742

Project Title: 2017-19 Eastern Washington Clean Sites Initiative

Description

Starting Fiscal Year: 2018

Project Class: Grant

Agency Priority: 84

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 funding 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

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
23N-1	MTC Capital Account-State	1,740,000			1,740,000	
	Total	1,740,000	0	0	1,740,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
23N-1	MTC Capital Account-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 9:59AM

Project Number: 30000708

Project Title: Swift Creek Natural Asbestos Flood Control and Cleanup

Description

Starting Fiscal Year: 2018

Project Class: Grant - Pass Through

Agency Priority: 85

Project Summary

For 80 years, a slow-moving landslide from Sumas Mountain in the Swift Creek watershed has carried large volumes of slide debris into the stream and floodplain below. This material – contaminated with naturally occurring asbestos and heavy metals – fills and chokes the stream channel, causing serious flooding and sediment deposits in surrounding settled and agricultural areas. The funding will be used for a series of flood control and sediment management projects and related property acquisition. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	6,400,000	1,000,000	3,712,000	1,688,000	
	Total	6,400,000	1,000,000	3,712,000	1,688,000	0
Future Fiscal Periods						
		<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 9:43AM

Project Number: 30000588

Project Title: Columbia River Water Supply Development Program

Description

Starting Fiscal Year: 2016

Project Class: Grant - Pass Through

Agency Priority: 86

Project Summary

Ecology is requesting 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). A separate request for new appropriation authority is included in Ecology's capital budget submittal. Together, the reappropriation and new appropriation requests will fund projects that are in various stages of completion and provide the Office of Columbia River with resources needed to achieve substantial progress in the 2021-23 Biennium. These investments will help meet priority needs of the water users in the Columbia River Basin. (Columbia River Basin Water Supply Revenue Recovery Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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 Columbia River Basin Policy Advisory Group.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
10P-1	Col River Water-State	16,800,000	16,316,000	484,000		
296-1	Col River Bas Wtr Su-State	2,200,000	265,000	261,000	1,674,000	
	Total	19,000,000	16,581,000	745,000	1,674,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
10P-1	Col River Water-State					
296-1	Col River Bas Wtr Su-State					
	Total	0	0	0	0	

Operating Impacts

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 9:43AM

Project Number: 30000588

Project Title: Columbia River Water Supply Development Program

Operating Impacts

No Operating Impact

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 9:21AM

Project Number: 30000334

Project Title: ASARCO Cleanup

Description

Starting Fiscal Year: 2014

Project Class: Grant - Pass Through

Agency Priority: 87

Project Summary

This request continues cleanup work related to the ASARCO settlement at the Van Stone mine and remaining funds dedicated to natural resource damages. In addition, this request is to implement a 2019-21 biennial budget proviso for the City of Tacoma to reimburse for cleanup and remediation of the former Ruston Way Tunnel, including costs that occurred prior to June 30, 2019. (Cleanup Settlement Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

Project Type

Grants

Grant Recipient Organization: Department of Ecology

RCW that establishes grant: Chapter 70.105D 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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	6,000,000	6,000,000			
15H-1	Cleanup Set Acct-State	30,660,000	28,734,000	298,000	1,628,000	
	Total	36,660,000	34,734,000	298,000	1,628,000	0
Future Fiscal Periods						
		<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>	
057-1	State Bldg Constr-State					
15H-1	Cleanup Set Acct-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 10:47AM

Project Number: 40000126

Project Title: 2019-21 Reducing Toxic Wood Stove Emissions

Description

Starting Fiscal Year: 2020

Project Class: Grant - Pass Through

Agency Priority: 88

Project Summary

Smoke from wood burning stoves causes asthma, lung disease, heart disease, stroke, and premature death. This 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 wood stoves 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 Puget Sound Action Agenda implementation. (Air Pollution Control Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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. 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.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
216-1	Air Pollution Ctl Ac-State	2,500,000		1,147,000	1,353,000	
	Total	2,500,000	0	1,147,000	1,353,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
216-1	Air Pollution Ctl Ac-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 11:27AM

Project Number: 92000142

Project Title: Drought Response

Description

Starting Fiscal Year: 2016

Project Class: Grant - Pass Through

Agency Priority: 89

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. (State Drought Preparedness Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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 (Sec

Application process used

Competitive Grant

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
05W-1	State Drought Prep-State	6,723,000	5,180,000	266,000	1,277,000	
	Total	6,723,000	5,180,000	266,000	1,277,000	0
Future Fiscal Periods						
		<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>	
05W-1	State Drought Prep-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 9:24AM

Project Number: 30000337

Project Title: Clean Up Toxics Sites - Puget Sound

Description

Starting Fiscal Year: 2014

Project Class: Grant - Pass Through

Agency Priority: 90

Project Summary

Ecology's emphasis on bay wide cleanup in seven priority bays has highlighted a valuable link between toxic site cleanup and habitat restoration. Cleanup and restoration can be done cheaper, better and quicker because projects are designed and built in a coordinated manner, and equipment and resources are on site to do the work. Ecology is requesting reappropriation for toxic site cleanup projects that will integrate shoreline habitat restoration opportunities. Cleaning up these contaminated sites protects public and environmental health, creates jobs, and promotes economic development by allowing these properties to be redeveloped. (Model Toxics Control Capital Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

Project Type

Grants

Grant Recipient Organization: Department of Ecology

RCW that establishes grant: N/A

Application process used

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
19G-1	ELS Account-State	23,212,000	23,212,000			
23N-1	MTC Capital Account-State	1,843,000		700,000	1,143,000	
	Total	25,055,000	23,212,000	700,000	1,143,000	0
Future Fiscal Periods						
		<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>	
19G-1	ELS Account-State					
23N-1	MTC Capital Account-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 9:45AM

Project Number: 30000589

Project Title: Sunnyside Valley Irrigation District Water Conservation

Description

Starting Fiscal Year: 2016

Project Class: Grant - Pass Through

Agency Priority: 91

Project Summary

The United States Bureau of Reclamation (USBR) 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 multiyear projects, and Ecology is requesting reappropriation of funding to cover our required state match of 17.5 percent of total project costs for the next four or five biennia. The Sunnyside Valley Irrigation District (SVID) Phase 2B project cost is estimated at \$80 million, and Ecology's cost share is \$14 million over a 13 to 15 year construction period. Ecology requests reappropriation to continue the construction schedule for the state's share of the Yakima River Basin Water Enhancement Project in the 2021-23 Biennium. Costs share to meet state obligations are still required. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	3,055,000	1,508,000	418,000	1,129,000	
	Total	3,055,000	1,508,000	418,000	1,129,000	0
Future Fiscal Periods						
		<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 11:17AM

Project Number: 40000286

Project Title: 2020 Eastern Washington Clean Sites Initiative

Description

Starting Fiscal Year: 2020

Project Class: Grant - Pass Through

Agency Priority: 92

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 funding 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

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
23N-1	MTC Capital Account-State	1,000,000			1,000,000	
	Total	1,000,000	0	0	1,000,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
23N-1	MTC Capital Account-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 10:41AM

Project Number: 40000115

Project Title: 2019-21 Reducing Toxic Diesel Emissions

Description

Starting Fiscal Year: 2020

Project Class: Grant - Pass Through

Agency Priority: 93

Project Summary

Ecology has identified diesel exhaust as the toxic air pollutant most harmful to public health. An Ecology air pollution cancer risk study shows that diesel exhaust, causes or contributes to 70 percent of the airborne cancer risk in Washington (Concerns about Adverse Health Effects of Diesel Engine Emissions, Publication 0802032). It makes healthy people more at risk for respiratory disease and worsens the health of people with asthma, heart disease, and lung disease. Tens of thousands of older, high-polluting diesel vehicles and equipment operate in Washington. This pass-through grant program will install idle reduction technology on school buses, emergency response vehicles, construction equipment and on-road trucks; and scrap and replace the oldest and highest-polluting vehicles, equipment, and engines statewide (projects ineligible for Volkswagen settlement funding). Related to Puget Sound Action Agenda Implementation. (Air Pollution Control Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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. Ecology will also consider how the project will reduce exposure to sensitive populations (children, elderly, those with existing disease) and economically disadvantaged communities.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
216-1	Air Pollution Ctl Ac-State	1,000,000		12,000	988,000	
	Total	1,000,000	0	12,000	988,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
216-1	Air Pollution Ctl Ac-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 9:47AM

Project Number: 30000591

Project Title: Watershed Plan Implementation and Flow Achievement

Description

Starting Fiscal Year: 2016

Project Class: Grant - Pass Through

Agency Priority: 94

Project Summary

Significant water supply capital needs have been identified in 29 completed local watershed plans. These plans cover all, or parts of, 38 statewide Water Resource Inventory Areas (WRIAs) and non-planning basins. Needs include rehabilitating existing water systems, water conservation, and acquiring existing water rights for instream flow and other future needs. Ecology is requesting reappropriation from the State Building Construction Account to finance ongoing capital projects and water acquisition for implementing locally developed watershed plans. These projects and acquisitions will help the state, local governments, and other stakeholders meet future water needs and achieve recommended instream flows. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	5,000,000	3,193,000	903,000	904,000	
	Total	5,000,000	3,193,000	903,000	904,000	0
Future Fiscal Periods						
		<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 11:27AM

Project Number: 92000158

Project Title: Port of Tacoma Arkema/Dunlap Mound

Description

Starting Fiscal Year: 2016

Project Class: Grant

Agency Priority: 95

Project Summary

This project provides matching funds to reimburse the Port of Tacoma for the remedial investigation, feasibility study and an interim action to remove the remaining arsenic contaminated soil along the Hylebos waterway shoreline at the Arkema mound site. The overall goal of these actions is to return an industrial property to productive use and promote economic development for the region. Ecology is requesting this reappropriation in order for this project to continue. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

Location

City: Tacoma

County: Pierce

Legislative District: 027

Project Type

Grants

Grant Recipient Organization: Port of Tacoma

RCW that establishes grant: Chapter 70.105D RCW

Application process used

Funding appropriated by the Legislature.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	2,900,000	2,173,000		727,000	
	Total	2,900,000	2,173,000	0	727,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 9:20AM

Project Number: 30000333

Project Title: Dungeness Water Supply & Mitigation

Description

Starting Fiscal Year: 2014

Project Class: Grant - Pass Through

Agency Priority: 96

Project Summary

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. Ecology is requesting 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. 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. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	2,050,000	1,173,000	188,000	689,000	
	Total	2,050,000	1,173,000	188,000	689,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 10:55AM

Project Number: 40000146

Project Title: 2015 Drought Authority

Description

Starting Fiscal Year: 2020

Project Class: Grant - Pass Through

Agency Priority: 97

Project Summary

During the 2015 drought, Ecology authorized (in cooperation with the Yakama Nation) the use of emergency groundwater wells to replace surface water irrigation supplies within the Yakima Basin. Emergency well users paid Ecology fees for emergency groundwater wells to replace surface water irrigation supplies within the Yakima Basin. In exchange for using the emergency groundwater wells, Ecology agreed to provide mitigation in the form of other flow improvements that would increase instream flows in later years. Ecology is now ready to implement mitigation projects, and requires appropriation to spend the revenue collected for this purpose. The projects will complete plans that deliver additional water supplies for agricultural purposes, meet the water needs for growing communities, make existing water uses more efficient, and improve stream flow conditions for fish and wildlife. (State Drought Preparedness Account).

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
05W-1	State Drought Prep-State	669,000			669,000	
	Total	669,000	0	0	669,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
05W-1	State Drought Prep-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 10:56AM

Project Number: 40000147

Project Title: Waste Tire Pile Cleanup and Prevention

Description

Starting Fiscal Year: 2020

Project Class: Grant - Pass Through

Agency Priority: 100

Project Summary

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. Ecology requires continued ongoing funding to prevent and remove waste tire piles, and enforcement and education on tire storage and hauling regulations. (Waste Tire Removal Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

Project Type

Grants

Grant Recipient Organization: Public entities including cities, counties, irrigation or mosquito control districts, universities, and t

RCW that establishes grant: Chapter 70.95 RCW

Application process used

Ecology and public entities work together to provide opportunities for waste tire pile prevention, enforcement, and cleanup across Washington.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
08R-1	Waste Tire Removal A-State	1,000,000		544,000	456,000	
	Total	1,000,000	0	544,000	456,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
08R-1	Waste Tire Removal A-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 8:53AM

Project Number: 30000144

Project Title: Clean Up Toxics Sites - Puget Sound

Description

Starting Fiscal Year: 2010

Project Class: Grant - Pass Through

Agency Priority: 102

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. This emphasis on bay-wide cleanup in Puget 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. Related to Puget Sound Action Agenda implementation. (Model Toxics Control Capital Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

Project Type

Grants

Grant Recipient Organization: Department of Ecology

RCW that establishes grant: Chapter 70.105D 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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	511,000	511,000			
15H-1	Cleanup Set Acct-State	18,300,000	18,300,000			
173-1	State Toxics Control-State	19,905,000	19,905,000			
23N-1	MTC Capital Account-State	318,000		1,000	317,000	
Total		39,034,000	38,716,000	1,000	317,000	0

Future Fiscal Periods

		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
15H-1	Cleanup Set Acct-State				
173-1	State Toxics Control-State				
23N-1	MTC Capital Account-State				
Total		0	0	0	0

Operating Impacts

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 8:53AM

Project Number: 30000144

Project Title: Clean Up Toxics Sites - Puget Sound

Operating Impacts

No Operating Impact

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 9:34AM

Project Number: 30000490

Project Title: Leaking Tank Model Remedies

Description

Starting Fiscal Year: 2016

Project Class: Grant - Pass Through

Agency Priority: 103

Project Summary

Model remedies are cleanup actions that Ecology has pre-approved for specific categories of contaminated sites to streamline the cleanup process so that protective cleanup actions are faster and less expensive. In response to legislation passed in 2013, Ecology is developing model remedies to address leaking fuel tanks and other common types of contaminated sites to help quickly and effectively restore the environment and protect public health. Leaks from underground fuel tanks can contaminate groundwater and cause significant environmental and human health risks. This reappropriation will fund the development, implementation, and evaluation of these model remedies. (Model Toxics Control Capital Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

Project Type

Grants

Grant Recipient Organization: N/A

RCW that establishes grant: N/A

Application process used

N/A

Growth Management impacts

No direct impacts. Cleanup projects will support redevelopment of urban areas.

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
173-1	State Toxics Control-State	1,481,000	1,481,000			
23N-1	MTC Capital Account-State	519,000		207,000	312,000	
	Total	2,000,000	1,481,000	207,000	312,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
173-1	State Toxics Control-State					
23N-1	MTC Capital Account-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 8:18AM

Project Number: 19742006

Project Title: Water Supply Facilities

Description

Starting Fiscal Year: 1974

Project Class: Grant - Pass Through

Agency Priority: 104

Project Summary

Ecology requests reappropriation from the State and Local Improvements Revolving Account to continue agricultural water supply and conservation projects currently under contract for the Water Supply Facilities Program. These projects will improve the efficiency and reliability of agricultural water supplies throughout the state while protecting and improving streamflows. (State & Local Improvements Revolving Account - Water Supply Facilities (Ref. 38))

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

Project Type

Grants

Grant Recipient Organization: Public Water Supply

RCW that establishes grant: Chapter 43.83B RCW

Application process used

The agriculture water supply projects in this program result from use of a competitive process established by 173.170 WAC.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
05W-1	State Drought Prep-State	3,899,000	3,899,000			
072-1	Improv-Water Supply-State	11,512,000	11,217,000		295,000	
	Total	15,411,000	15,116,000	0	295,000	0
Future Fiscal Periods						
		<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>	
05W-1	State Drought Prep-State					
072-1	Improv-Water Supply-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 10:11AM

Project Number: 30000749

Project Title: 2017-19 Clean Up Toxic Sites – Puget Sound

Description

Starting Fiscal Year: 2018

Project Class: Grant

Agency Priority: 105

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. This emphasis on bay-wide cleanup in Puget Sound and surrounding areas has highlighted a valuable link between toxic site cleanup and habitat restoration. This request for will support projects that integrate shoreline habitat restoration opportunities with cleanup projects to protect public and environmental health, create jobs, and promote economic development. Related to Puget Sound Action Agenda implementation. (Model Toxics Control Capital Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
173-1	State Toxics Control-State	872,000	872,000			
23N-1	MTC Capital Account-State	1,310,000		1,047,000	263,000	
	Total	2,182,000	872,000	1,047,000	263,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
173-1	State Toxics Control-State					
23N-1	MTC Capital Account-State					
	Total	0	0	0	0	

Operating Impacts

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 10:11AM

Project Number: 30000749

Project Title: 2017-19 Clean Up Toxic Sites – Puget Sound

Operating Impacts

No Operating Impact

Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 9:50AM

Project Number: 30000672

Project Title: Waste Tire Pile Cleanup and Prevention

Description

Starting Fiscal Year: 2018

Project Class: Grant - Pass Through

Agency Priority: 107

Project Summary

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. Ecology requires continued ongoing funding to prevent and remove waste tire piles, and enforcement and education on tire storage and hauling regulations. (Waste Tire Removal Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

Project Type

Grants

Grant Recipient Organization: Public entities including cities, counties, irrigation or mosquito control districts, universities, and t

RCW that establishes grant: Chapter 70.95 RCW

Application process used

Ecology and public entities work together to provide opportunities for waste tire pile prevention, enforcement, and cleanup across the state of Washington.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
08R-1	Waste Tire Removal A-State	1,000,000	528,000	250,000	222,000	
	Total	1,000,000	528,000	250,000	222,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
08R-1	Waste Tire Removal A-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 2:07PM

Project Number: 40000128

Project Title: Mercury Switch Removal

Description

Starting Fiscal Year: 2020

Project Class: Grant - Pass Through

Agency Priority: 109

Project Summary

Each year in Washington, thousands of vehicles with electrical switches containing the toxic metal mercury are crushed and shredded at auto recyclers. Once released, mercury can damage human health and the environment, even in very small amounts. Over the last decade, the Legislature has provided \$1,500,000 to fund a collection and recovery program for mercury switches in vehicles. In that time, the program has recovered nearly 300,000 switches containing almost 600 pounds of mercury. Ecology is requesting this reappropriation to continue the mercury switch removal program through 2022, which is projected to safely recover and recycle an additional 100 pounds of mercury waste. Related to Puget Sound Action Agenda implementation. (Model Toxics Control Capital Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

This request requires a total of 0.14 FTE to provide outreach and technical assistance to wrecking and recycling facilities participating in the Automotive Mercury Switch Removal Program.

Project Type

Grants

Grant Recipient Organization: N/A

RCW that establishes grant: RCW 70.95.263(2)

Application process used

Ecology pays a \$3 reimbursement per mercury switch bounty to auto recyclers and scrap processors that voluntarily participate in the program. -Businesses sign up by completing a form available on Ecology's website containing shipping and payment information. -Recyclers and scrap processors remove the switches and send them to the ELVS facility. ELVS provides packaging and labeling designed for shipping hazardous waste, and pays shipping costs. -ELVS tracks switches submitted by businesses, and properly disposes and/or recycles the mercury. -Ecology uses ELVS data to verify payments due to businesses and pays the bounty when the national recycling center confirms receipt of switches.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
23N-1	MTC Capital Account-State	250,000		44,000	206,000	
	Total	250,000	0	44,000	206,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
23N-1	MTC Capital Account-State					
	Total	0	0	0	0	

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 2:07PM

Project Number: 40000128

Project Title: Mercury Switch Removal

Operating Impacts

No Operating Impact

461 - Department of Ecology

Capital Project Request

2021-23 Biennium

*

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 8:54AM

Project Number: 30000213

Project Title: Watershed Plan Implementation and Flow Achievement

Description

Starting Fiscal Year: 2012

Project Class: Grant - Pass Through

Agency Priority: 111

Project Summary

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. 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. These projects and acquisitions will help watershed units meet future water needs while achieving recommended instream flows. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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 was used for each of the categories funded through this appropriation.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	8,045,000	7,613,000	247,000	185,000	
	Total	8,045,000	7,613,000	247,000	185,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 9:26AM

Project Number: 30000351

Project Title: Eastern Washington Clean Sites Initiative

Description

Starting Fiscal Year: 2014

Project Class: Grant - Pass Through

Agency Priority: 112

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 funding 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

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

Project Type

Grants

Grant Recipient Organization: Department of Ecology

RCW that establishes grant: Chapter 70.105D RCW

Application process used

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
19G-1	ELS Account-State	7,432,000	7,432,000			
23N-1	MTC Capital Account-State	168,000		6,000	162,000	
	Total	7,600,000	7,432,000	6,000	162,000	0
Future Fiscal Periods						
		<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>	
19G-1	ELS Account-State					
23N-1	MTC Capital Account-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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461 - Department of Ecology Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 8:57AM

Project Number: 30000265

Project Title: Clean Up Toxics Sites - Puget Sound

Description

Starting Fiscal Year: 2012

Project Class: Grant - Pass Through

Agency Priority: 113

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. This emphasis on bay-wide cleanup in Puget 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. Related to Puget Sound Action Agenda implementation. (Model Toxics Control Capital Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

Project Type

Grants

Grant Recipient Organization: Department of Ecology

RCW that establishes grant: Chapter 70.105D 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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
173-1	State Toxics Control-State	15,041,000	15,041,000			
23N-1	MTC Capital Account-State	161,000		1,000	160,000	
	Total	15,202,000	15,041,000	1,000	160,000	0
Future Fiscal Periods						
		<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>	
173-1	State Toxics Control-State					
23N-1	MTC Capital Account-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 8:43AM

Project Number: 20042951

Project Title: Twin Lake Aquifer Recharge Project

Description

Starting Fiscal Year: 2004

Project Class: Grant - Pass Through

Agency Priority: 114

Project Summary

Ecology requests reappropriation from the State Building Construction Account to continue the Twin Lakes Aquifer Recharge Project located in the Methow Valley. The project is being undertaken to restore declining aquifer and lake levels in and around Twin Lakes. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

Project Type

Infrastructure Preservation (Minor Works)

Grant Recipient Organization: Contracts to private engineering firms using cost reimbursement study contractor pool

RCW that establishes grant: Legislative Appropriation

Application process used

Use study contractor from the water right cost reimbursement contractor pool.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	749,000	593,000	10,000	146,000	
	Total	749,000	593,000	10,000	146,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 8:49AM

Project Number: 30000028

Project Title: Watershed Plan Implementation and Flow Achievement

Description

Starting Fiscal Year: 2010

Project Class: Grant - Pass Through

Agency Priority: 115

Project Summary

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. 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. These projects and acquisitions will help watershed units meet future water needs while achieving recommended instream flows. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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 was used for each of the categories funded through this appropriation.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	5,997,000	5,722,000	149,000	126,000	
	Total	5,997,000	5,722,000	149,000	126,000	0
Future Fiscal Periods						
		<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 8:46AM

Project Number: 20052852

Project Title: Quad Cities Water Right Mitigation

Description

Starting Fiscal Year: 2005

Project Class: Grant - Pass Through

Agency Priority: 116

Project Summary

Ecology requests reappropriation from the State Building Construction Account to acquire replacement water to mitigate for issuance of a water right permit to divert Columbia River water for use by the Quad Cities (Pasco, Kennewick, Richland, and West Richland). The mitigation water is needed to ensure the Quad Cities water diversion is not interrupted by periodic low flow conditions. The mitigation funding will partially implement a legal settlement between Ecology and the Quad Cities. These mitigation investments will enable the Quad Cities to have water available for growth and economic development and protect stream flows for fish and other instream uses. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

Project Type

Grants

Grant Recipient Organization: Water Right Holders

RCW that establishes grant: Legislative Appropriation

Application process used

Ecology is attempting to acquire existing water rights to meet the mitigation requirement. Once a willing seller is found, Ecology determines the fair market value of the available water to negotiate a value of the water right.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	1,600,000	1,484,000		116,000	
	Total	1,600,000	1,484,000	0	116,000	0
Future Fiscal Periods						
		<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 8:47AM

Project Number: 20062950

Project Title: Columbia River Basin Water Supply Development Program

Description

Starting Fiscal Year: 2006

Project Class: Grant - Pass Through

Agency Priority: 117

Project Summary

Ecology requests reappropriation from the Columbia River Basin Water Supply Development Account to continue implementing the Columbia River Basin Water Supply Development Program (Chapter 90.90 RCW). A separate request for new appropriation authority is included in Ecology's capital budget submittal. Together, the reappropriation and new appropriation requests will fund projects that are in various stages of completion and provide the Office of Columbia River with resources needed to achieve substantial progress in the 2021-23 Biennium. These investments will help meet priority needs of the water users in the Columbia River Basin. (Columbia River Basin Water Supply Development Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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 Columbia River Basin Policy Advisory Group.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
10P-1	Col River Water-State	80,867,000	79,122,000	1,648,000	97,000	
18B-1	Col Riv Bas Acct-State	10,404,000	10,404,000			
	Total	91,271,000	89,526,000	1,648,000	97,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
10P-1	Col River Water-State					
18B-1	Col Riv Bas Acct-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 9:42AM

Project Number: 30000587

Project Title: Water Irrigation Efficiencies Program

Description

Starting Fiscal Year: 2016

Project Class: Grant - Pass Through

Agency Priority: 118

Project Summary

The Water Irrigation Efficiencies Program is a statewide effort to improve how water is delivered and applied on agricultural lands. Projects funded through the Water Irrigation Efficiencies 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 loss of water through leakage and evaporation. Water saved in this program is placed into the state Trust Water Right Program for instream purposes. Ecology requests reappropriation from the State Building Construction Account for the Washington State Conservation Commission (SCC) and conservation districts to continue to implement water conservation measures and irrigation efficiencies projects. Funds are pass-through to allow Ecology overall coordination of the statewide Water Irrigation Efficiencies Program. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Grants

Grant Recipient Organization: Conservation Districts

RCW that establishes grant: Legislative Appropriation

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		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	4,000,000	3,504,000	434,000	62,000	
	Total	4,000,000	3,504,000	434,000	62,000	0
Future Fiscal Periods						
		<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 9:42AM

Project Number: 30000587

Project Title: Water Irrigation Efficiencies Program

Operating Impacts

No Operating Impact

Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 8:48AM

Project Number: 20081951

Project Title: Transfer of Water Rights for Cabin Owners

Description

Starting Fiscal Year: 2008

Project Class: Grant - Pass Through

Agency Priority: 119

Project Summary

Ecology requests reappropriation from the State Building Construction Account to continue the Transfer of Water Rights for Cabin Owner's project in 2021-23. The request will allow purchase of additional water for domestic water users in the Yakima Basin that have a surface water right with a priority date later than May 10, 1905, as well as purchases for all out-of-priority surface water users in the Basin. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

Project Type

Grants

Grant Recipient Organization: Surface water right holders with a priority date after May 10, 1905

RCW that establishes grant: Legislative Appropriation

Application process used

This project is targeted toward domestic water users in the Yakima River Basin WRIAs 37, 38, and 39 that have a surface water right with a priority date later than May 10, 1905, as well as for all out of priority surface water users in the Yakima Basin, per the requirements of the 2007-09 Biennial Capital Budget.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Expenditures		2021-23 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	New Approps
057-1	State Bldg Constr-State	450,000	387,000	6,000	57,000
	Total	450,000	387,000	6,000	57,000
					0
Future Fiscal Periods					
		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 11:20AM

Project Number: 91000007

Project Title: Habitat Mitigation

Description

Starting Fiscal Year: 2010

Project Class: Grant - Pass Through

Agency Priority: 120

Project Summary

Ecology requests reappropriation to continue the Habitat Mitigation project that began in the 2011-13 Biennium. Wetlands provide many benefits to people, fish, and wildlife. They filter pollutants, provide habitat, store flood waters, recharge aquifers, and maintain water flows during dry periods. The State Water Pollution Control Act, Chapter 90.48 RCW, protects the waters of the state, including wetlands. When someone damages wetlands, they are required to provide mitigation to offset those impacts. The Legislature authorized the Habitat Mitigation project to focus on improving options for wetland mitigation through the use of a payment program. In lieu of developing their own mitigation site, applicants for state, federal, or local permits can pay a fee to meet their regulatory requirements to compensate for lost and damaged wetlands. Ecology lapsed \$1,550,000 in 2017-19 for a grant Thurston County was not able to complete. The remaining funds are being used to conduct wetland mapping in Pierce County. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

Project Type

Grants

Grant Recipient Organization: Thurston and Pierce Counties

RCW that establishes grant: N/A

Application process used

N/A

Growth Management impacts

This provides an option for compensating for wetland impacts authorized under local critical areas ordinances.

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	2,445,000	2,398,000		47,000	
	Total	2,445,000	2,398,000	0	47,000	0
Future Fiscal Periods						
		2023-25	2025-27	2027-29	2029-31	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2021-23 Biennium

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Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 9:27AM

Project Number: 30000372

Project Title: Columbia River Water Supply Development Program

Description

Starting Fiscal Year: 2014

Project Class: Grant - Pass Through

Agency Priority: 121

Project Summary

Ecology is requesting reappropriation to continue implementing the Columbia River Basin Water Supply Development Program (Chapter 90.90 RCW). A separate request for new appropriation is included in Ecology's capital budget submittal. Together, the reappropriation and new appropriation requests will fund projects that are in various stages of completion and provide the Office of Columbia River with resources needed to achieve substantial progress in the 2021-23 Biennium. These investments will help meet priority needs of the water users in the Columbia River Basin. (Columbia River Basin Taxable Bond Water Supply Development Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through July 2020 Fiscal Month 13.

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 Columbia River Basin Policy Advisory Group.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2021-23 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
10P-1	Col River Water-State	43,955,000	43,715,000	240,000		
18B-1	Col Riv Bas Acct-State	30,545,000	30,500,000		45,000	
	Total	74,500,000	74,215,000	240,000	45,000	0
Future Fiscal Periods						
		<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	<u>2029-31</u>	
10P-1	Col River Water-State					
18B-1	Col Riv Bas Acct-State					
	Total	0	0	0	0	

Operating Impacts

Version: BI Biennial 2021-23 Initial

Report Number: CBS002

Date Run: 8/21/2020 9:27AM

Project Number: 30000372

Project Title: Columbia River Water Supply Development Program

Operating Impacts

No Operating Impact