



DEPARTMENT OF ECOLOGY

2019 – 2029

Capital Budget

SEPTEMBER 2018

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STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

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September 14, 2018

TO: David Schumacher, Director
Office of Financial Management

FROM: Maia D. Bellon, Director 

SUBJECT: 2019-21 Ecology Capital Budget Request

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

Ecology's goals are to:

- Protect and restore land, air, and water.
- Prevent pollution.
- Promote healthy communities and natural resources.
- Deliver efficient and effective services.

Attached is Ecology's 2019-21 Biennial Capital Budget request. This budget reflects a recovering economy and the need to redirect dedicated environmental funds from helping to fill General Fund deficits, back to critical environmental work. It addresses major facility needs that were put off during the Great Recession. We are requesting resources to implement streamflow restoration legislation passed earlier this year, address the emerging solid waste management and recycling crisis, implement the Chehalis Basin Strategy, and fund priority water quality and toxics cleanup and prevention projects.

Ecology's Capital Budget request totals \$814 million. The requests are supported primarily by dedicated environmental funds, federal funds, or state bonds for capital projects that:

- Improve water quality.
- Deliver water for fish, farms, and people.
- Address air toxics and public health issues.
- Protect or restore state owned facilities.
- Create jobs.

Model Toxics Control Act (MTCA) Fund Shift Back

In the operating budget, Ecology is requesting to shift specific activities back to GF-S funding to allow MTCA funds to be used for vital capital projects statewide. The \$64.2 million shift will help address the ongoing funding shortfalls in two of the MTCA accounts (State Toxics Control Account and Environmental Legacy Stewardship Account) and allow MTCA funds to be used for important capital budget projects supported by stakeholders. This is the best way to manage within the volatility of MTCA revenue. Our priority for any freed up MTCA funding is to exchange it for the bond funding being requested in toxic site cleanup projects like the Remedial Action Grant program. Reinstating MTCA capital budget capacity will lessen demands on limited state bond dollars.

Creating 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 a new, competitive grant program 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.

Preparing for Drought

Each year, Ecology assesses the need for emergency drought funding to assist local government. While the water year begins November 1st of each year, conditions can change rapidly throughout the winter and spring, which means a decision about drought and its severity often cannot be made until early April. While Ecology does not anticipate declaring a drought in 2018, extended dry conditions have resulted in below-normal flows for over half of the state's rivers and streams (primarily west of the Cascades) and the longer-term climate outlook calls for greater chances of below-normal precipitation. The continued drier than normal conditions produce considerable water supply impacts affecting both instream and out-of-stream users, especially in Southwest Washington. Various local governments are considering trucking water to provide domestic supply. Low flows, warm water, and human-made barriers are also impacting fish passage. Ecology will closely monitor precipitation and snowpack levels through the 2018/2019 winter to identify early drought related impacts.

The potential need for drought funding is normally highlighted in Ecology's budget submittal, as no base appropriations exist in the agency budget to implement drought response activities. Ecology is requesting \$10.0 million in 2019-21 to implement a Drought and Climate Preparedness and Response Program to fund preparations for long-term climate change conditions and to address immediate drought impacts. Funded projects will 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.

Ecology is also submitting agency request legislation to modernize existing drought statutes and statewide drought response processes. Should agency request legislation be enacted, Ecology will adopt permanent funding program guidance as part of the drought rule update that will begin in July 2019.

Columbia River Water Supply

In 2006, at the direction of the Legislature, Ecology established the Office of Columbia River to lead the Columbia River Water Management Program and to implement a \$200 million dedicated bond authorization to provide water for fish, farms, and communities. The program continues to find solutions to decades-old conflict over water use in the Columbia River Basin. Ecology is submitting 2019 agency request legislation to authorize an additional \$300 million in dedicated bond authority to continue progress in finding water supply solutions throughout Eastern Washington. Funded projects will deliver additional water supplies for agricultural purposes, meet the water needs for growing communities, and improve stream flow conditions for fish, wildlife and recreational uses. Our related budget request for \$40 million for the next phase of funding for Columbia River Basin projects can be appropriated from the dedicated bond reauthorization instead of the State Building Construction Account if the Legislature passes this essential water supply legislation.

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 capital request includes facility-related projects for:

- Lacey headquarters (HQ) roof replacement – Our Lacey HQ facility is over 25 years old, and the roof has not been replaced since the building was constructed in 1993. We have made extensive repairs over the last few years, and it still leaks. 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.
- Lacey HQ parking garage preservation – The parking garage is in poor condition. 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.
- Eastern Regional Office improvements and stormwater treatment – This request will continue the improvements and stormwater treatment work that the Legislature funded in the 2018 Supplemental Budget. Ecology is requesting the next phase of funding to construct an annex facility so we can consolidate space needs and improve our ability to respond to spills.
- Other Lacey HQ needs – The exterior cladding surfaces require major replacement work to preserve the condition of the building envelope as materials used to seal concrete and metal panels, and the exterior concrete have exceeded their life expectancy. We also need to replace

the heat source in the basement as a result of the required move of data server equipment to the state data center. Without heating system modification, the basement areas of the building, including our main auditorium and facility services, will be too cold to work in.

Thank you for considering our capital budget request. We will work with our assigned capital budget analysts as they review this request in detail. Please let us know if you have questions.

Attachment

cc: Myra Baldini, Budget Assistant to the Governor, OFM
Jim Cahill, Senior Budget Assistant to the Governor, OFM
Chris Davis, Senior Policy Advisor on Climate and Energy, Office of the Governor
Rob Duff, Senior Policy Advisor, Natural Resources/Environment, Office of the Governor
Erik Fairchild, Chief Financial Officer, Department of Ecology
Jed Herman, Fiscal Analyst, Senate Ways & Means Committee
Dan Jones, Fiscal Analyst, House Appropriations/Natural Resources Committee
Steve Masse, Fiscal Analyst, House Capital Budget Committee
Jennifer Masterson, Senior Budget Assistant to the Governor, OFM
Lisa McCollum, Legislative Assistant, House Appropriations Committee
Melissa Palmer, Capital Budget Coordinator, House Capital Budget Committee
Keith Phillips, Policy Director, Office of the Governor
Richard Ramsey, Capital Budget Coordinator, Senate Ways and Means Committee
Linda Steinmann, Budget Assistant to the Governor, OFM

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Department of Ecology

Capital		2019-21 Biennium Budget Request			
		9/10/18 \$ in thousands	SBCA	MTCA	Other
Prevent and Reduce Toxic Threats					
1	2019-21 Protect Investments in Cleanup Remedies	9,637			9,637
2	2019-21 Remedial Action Grants	58,089	27,000		85,089
3	2019-21 Local Solid Waste Financial Assistance		28,200		28,200
4	2019-21 Eastern Washington Clean Sites Initiative	12,110			12,110
5	2019-21 Healthy Housing Remediation Program	10,035			10,035
6	2019-21 Reducing Toxic Diesel Emissions	5,000			5,000
7	2019-21 Reducing Toxic Wood Stove Emissions	4,000			4,000
8	2019-21 ASARCO Cleanup			6,800	6,800
9	Swift Creek Natural Asbestos Flood Control and Cleanup	2,400			2,400
10	Chemical Action Plan Implementation		3,704		3,704
11	Waste Tire Pile Cleanup and Prevention			1,000	1,000
12	Mercury Switch Removal		250		250
Deliver Integrated Water Solutions					
13	2019-21 Water Pollution Control Revolving Program			216,000	216,000
14	2019-21 Centennial Clean Water Program	60,000			60,000
15	2019-21 Floodplains by Design	70,000			70,000
16	2019-21 Stormwater Financial Assistance Program	60,000			60,000
17	2019-21 Columbia River Water Supply Development Program	27,100		12,900	40,000
18	2019-21 Chehalis Basin Strategy	72,000			72,000
19	2019-21 Streamflow Restoration Program			40,000	40,000
20	2019-21 Yakima River Basin Water Supply	42,000			42,000
21	2019-21 Drought & Climate Preparedness and Response	10,000			10,000
22	2019-21 Sunnyside Valley Irrigation District Water Conserv	4,234			4,234
23	2019-21 State Match- Water Pollution Control Revolving Program			12,000	12,000
24	2015 Drought Authority			669	669
Protect and Restore Puget Sound					
25	2019-21 Clean Up Toxics Sites Puget Sound	10,225	250		10,475
Facilities Related					
26	Lacey HQ Roof Replacement	3,089			3,089
27	Lacey HQ Parking Garage Preservation	1,600			1,600
28	Eastern Regional Office Improvements and Stormwater Treatment	1,966			1,966
29	Lacey HQ Building Envelope Repairs	1,000			1,000
30	Zosel Dam Preservation			217	217
31	Lacey HQ Facility Preservation Project-Minor Works	250			250
32	Padilla Bay Federal Capital Projects			500	500
Total Proposed Capital Budget Request		464,735	59,404	290,086	814,225

2019-21 Biennium Initial Capital Budget Summary Ranking

September 10, 2018

Purpose: Provides Final ranking of 2019-21 Biennium budget requests. Capital reappropriations are ranked by descending dollar amount after the new capital requests.

Priority	Program	Project Number	Project Title	New Appropriations Dollars in \$000s	Reappropriations Dollars in \$000s
1	WQP	40000110	2019-21 Water Pollution Control Revolving Program	\$ 216,000	
2	TCP	40000194	2019-21 Protect Investments in Cleanup Remedies	\$ 9,637	
3	TCP	40000211	2019-21 Remedial Action Grants	\$ 85,089	
4	WQP	40000116	2019-21 Centennial Clean Water Program	\$ 60,000	
5	SEA	40000129	2019-21 Floodplains by Design	\$ 70,000	
6	WQP	40000144	2019-21 Stormwater Financial Assistance Program	\$ 60,000	
7	WRP	40000152	2019-21 Columbia River Basin Water Supply Development	\$ 40,000	
8	SEA	40000209	2019-21 Chehalis Basin Strategy	\$ 72,000	
9	WRP	40000177	2019-21 Streamflow Restoration Program	\$ 40,000	
10	WRP	40000179	2019-21 Yakima River Basin Water Supply	\$ 42,000	
11	W2R	40000208	2019-21 Local Solid Waste Financial Assistance (LSWFA)	\$ 28,200	
12	TCP	40000117	2019-21 Eastern Washington Clean Sites Initiative	\$ 12,110	
13	WRP	40000178	2019-21 Drought & Climate Preparedness and Response	\$ 10,000	
14	TCP	40000130	2019-21 Clean Up Toxics Sites - Puget Sound	\$ 10,475	
15	TCP	40000149	2019-21 Healthy Housing Remediation Program	\$ 10,035	
16	WRP	40000111	2019-21 Sunnyside Valley Irrigation District Water Conservation	\$ 4,234	
17	Admin	40000148	Lacey HQ Roof Replacement	\$ 3,089	
18	Admin	40000145	Lacey HQ Parking Garage Preservation	\$ 1,600	
19	WQP	40000151	2019-21 State Match Water Pollution Control Revolving Program	\$ 12,000	
20	Admin	30000741	Eastern Regional Office Improvements and Stormwater Treatment	\$ 1,966	\$ 1,887
21	AQP	40000115	2019-21 Reducing Toxic Diesel Emissions	\$ 5,000	
22	AQP	40000126	2019-21 Reducing Toxic Wood Stove Emissions	\$ 4,000	
23	TCP	40000114	2019-21 ASARCO Cleanup	\$ 6,800	
24	TCP	30000708	Swift Creek Natural Asbestos Flood Control and Cleanup	\$ 2,400	\$ 4,000
25	HWTR	40000210	Chemical Action Plan Implementation	\$ 3,704	
26	W2R	40000147	Waste Tire Pile Cleanup and Prevention	\$ 1,000	
27	Admin	40000150	Lacey HQ Building Envelope Repairs	\$ 1,000	
28	WRP	40000146	2015 Drought Authority	\$ 669	
29	WRP	40000193	Zosel Dam Preservation	\$ 217	
30	Admin	40000207	Lacey HQ Facility Preservation Project—Minor Works	\$ 250	
31	SEA	40000127	Padilla Bay Federal Capital Projects	\$ 500	
32	HWTR	40000128	Mercury Switch Removal	\$ 250	
33	WQ	30000710	Water Pollution Control Revolving Program		\$ 210,000
34	WQ	30000534	Water Pollution Control Revolving Program		\$ 170,772
35	AIR	40000018	VW Settlement Funded Projects		\$ 112,700
36	SEA	40000006	Catastrophic Flood Relief		\$ 59,682
37	WQ	92000076	Storm Water Improvements		\$ 46,512
38	TCP	30000458	Remedial Action Grants		\$ 37,140
39	WQ	30000796	2017-19 Stormwater Financial Assistance Program		\$ 36,400
40	SEA	30000706	Floodplains by Design		\$ 35,389
41	WQ	30000705	2017-19 Centennial Clean Water Program		\$ 34,790
42	WR	30000712	Columbia River Water Supply Development Program		\$ 33,800
43	WR	30000711	Yakima River Basin Water Supply		\$ 30,693
44	WQ	30000797	2015-17 Restored Stormwater Financial Assistance		\$ 30,078
45	WQ	30000535	Stormwater Financial Assistance Program		\$ 29,036
46	TCP	30000670	ASARCO Cleanup		\$ 28,760
47	AIR	40000109	VW Air Quality Penalty Investment		\$ 28,400
48	SEA	30000537	Floodplains by Design		\$ 22,889
49	TCP	30000216	Remedial Action Grant Program		\$ 20,354
50	WR	91000343	Water Availability		\$ 13,589
51	TCP	30000374	Remedial Action Grants		\$ 11,633
52	WQ	30000427	Centennial Clean Water Program		\$ 10,445
53	SEA	30000536	Coastal Wetlands Federal Funds		\$ 10,000
54	SEA	92000078	Floodplain Management and Control Grants		\$ 9,849
55	TCP	30000432	Eastern Washington Clean Sites Initiative		\$ 9,030
56	WR	30000590	Yakima River Basin Water Supply		\$ 8,540
57	NWP	19972012	Low-Level Nuclear Waste Disposal Trench Closure		\$ 8,531

Priority	Program	Project Number	Project Title	New Appropriations Dollars in \$000s	Reappropriations Dollars in \$000s
58	WQ	30000326	Centennial Clean Water Program		\$ 8,502
59	TCP	30000542	Cleanup Toxics Sites - Puget Sound		\$ 8,067
60	SEA	30000328	Coastal Wetlands Federal Funds		\$ 7,529
61	WR	30000740	Water Irrigation Efficiencies Program		\$ 6,464
62	TCP	30000707	2017-19 Remedial Action Grants		\$ 5,877
63	TCP	30000763	2015-17 Restored Clean Up Toxic Sites - Puget Sound		\$ 5,229
64	TCP	40000108	Healthy Housing Remediation Grant Program		\$ 5,100
65	WR	30000714	Watershed Plan Implementation and Flow Achievement		\$ 4,898
66	TCP	30000039	Remedial Action Grant Program		\$ 4,664
67	TCP	30000538	ASARCO Cleanup		\$ 4,576
68	WR	30000588	Columbia River Water Supply Development Program		\$ 4,226
69	WR	30000673	Sunnyside Valley Irrigation District Water Conservation		\$ 3,920
70	WR	30000587	Water Irrigation Efficiencies Program		\$ 3,516
71	WR	30000331	Watershed Plan Implementation and Flow Achievement		\$ 3,329
72	TCP	30000280	ASARCO - Tacoma Smelter Plume and Mines		\$ 2,855
73	WR	91000347	Skagit Water		\$ 2,500
74	WR	30000589	Sunnyside Valley Irrigation District Water Conservation		\$ 2,457
75	TCP	30000334	ASARCO Cleanup		\$ 2,426
76	TCP	30000704	2015-17 Restored Eastern WA Clean Sites Initiative		\$ 2,418
77	WR	20062950	Columbia River Basin Water Supply Development Program		\$ 2,382
78	WR	30000591	Watershed Plan Implementation and Flow Achievement		\$ 2,208
79	TCP	30000749	Clean Up Toxics Sites - Puget Sound		\$ 2,182
80	AIR	30000674	Reducing Toxic Woodstove Emissions		\$ 2,000
81	TCP	30000337	Clean Up Toxics Sites - Puget Sound		\$ 1,904
82	TCP	30000742	Eastern Washington Clean Sites Initiative		\$ 1,740
83	WR	92000142	Drought Response		\$ 1,559
84	WR	30000372	Columbia River Water Supply Development Program		\$ 1,195
85	WR	30000373	Yakima River Basin Water Supply		\$ 1,155
86	WR	30000333	Dungeness Water Supply & Mitigation		\$ 1,110
87	WR	91000181	Skagit Mitigation		\$ 974
88	W2R	30000672	Waste Tire Pile Cleanup and Prevention		\$ 926
89	TCP	30000490	Leaking Tank Model Remedies		\$ 806
90	TCP	92000158	Port of Tacoma Arkema/Dunlap Mound		\$ 735
91	WR	20084029	Watershed Plan Implementation and Flow Achievement		\$ 700
92	Admin	30000713	Lacey Headquarters Facility Preservation Projects		\$ 635
93	SEA	30000282	Padilla Bay Federal Capital Projects		\$ 606
94	WR	30000213	Watershed Plan Implementation and Flow Achievement		\$ 522
95	SEA	30000335	Padilla Bay Federal Projects - Programmatic		\$ 500
96	AIR	30000671	Reducing Toxic Diesel Emissions		\$ 500
97	TCP	91000032	Clean Up Toxics Sites - Puget Sound		\$ 338
98	TCP	30000144	Clean Up Toxic Sites - Puget Sound		\$ 330
99	WR	30000028	Watershed Plan Implementation and Flow Achievement		\$ 297
100	WR	19742006	Water Supply Facilities		\$ 295
101	TCP	20084008	Remedial Action Grants		\$ 243
102	TCP	20064008	Local Toxics Grants for Cleanup and Prevention		\$ 236
103	TCP	91000338	Integrated Planning Grant: Port Townsend		\$ 200
104	W2R	30000431	Waste Tire Pile Cleanup and Prevention		\$ 199
105	TCP	30000265	Clean Up Toxics Sites - Puget Sound		\$ 184
106	TCP	30000351	Eastern Washington Clean Sites Initiative		\$ 176
107	WR	20042951	Twin Lake Aquifer Recharge Project		\$ 156
108	WR	20052852	Quad Cities Water Right Mitigation		\$ 116
109	AIR	30000428	Reducing Toxic Diesel Emissions		\$ 108
110	WR	20081951	Transfer of Water Rights for Cabin Owners		\$ 81
111	WR	30000389	Water Irrigation Efficiencies Program		\$ 59
112	TCP	92000156	Water Treatment Plant (Lakewood)		\$ 55
113	WR	30000278	Yakima Basin Integrated Water Management Plan Implementation		\$ 51
114	HWTR	30000323	Mercury Switch Removal		\$ 50
115	SEA	91000007	Habitat Mitigation		\$ 47

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1	40000110 2019-21 Water Pollution Control Revolving Program									
	727-1 Water Pollution Cont-State	800,000,000				160,000,000	160,000,000	160,000,000	160,000,000	160,000,000
	727-2 Water Pollution Cont-Federal	280,000,000				56,000,000	56,000,000	56,000,000	56,000,000	56,000,000
	Project Total:	1,080,000,000				216,000,000	216,000,000	216,000,000	216,000,000	216,000,000
2	40000194 2019-21 Protect Investments in Cleanup Remedies									
	057-1 State Bldg Constr-State	49,637,000				9,637,000	10,000,000	10,000,000	10,000,000	10,000,000
3	40000211 2019-21 Remedial Action Grants									
	057-1 State Bldg Constr-State	58,089,000				58,089,000				
	174-1 Local Toxics Control-State	281,001,000				27,001,000	63,500,000	63,500,000	63,500,000	63,500,000
	Project Total:	339,090,000				85,090,000	63,500,000	63,500,000	63,500,000	63,500,000
4	40000116 2019-21 Centennial Clean Water Program									
	057-1 State Bldg Constr-State	300,000,000				60,000,000	60,000,000	60,000,000	60,000,000	60,000,000
5	40000129 2019-21 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	40000144 2019-21 Stormwater Financial Assistance Program									
	057-1 State Bldg Constr-State	300,000,000				60,000,000	60,000,000	60,000,000	60,000,000	60,000,000
7	40000152 2019-21 Columbia River Water Supply Development Program									
	057-1 State Bldg Constr-State	147,100,000				27,100,000	30,000,000	30,000,000	30,000,000	30,000,000
	296-1 Col River Bas Wtr Su-State	10,400,000				2,400,000	2,000,000	2,000,000	2,000,000	2,000,000
	355-1 St. Bld Const Acct-State	62,500,000				10,500,000	13,000,000	13,000,000	13,000,000	13,000,000
	Project Total:	220,000,000				40,000,000	45,000,000	45,000,000	45,000,000	45,000,000
8	40000209 2019-21 Chehalis Basin Strategy									

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8	40000209 2019-21 Chehalis Basin Strategy	360,000,000				72,000,000	72,000,000	72,000,000	72,000,000	72,000,000
	057-1 State Bldg									
	Constr-State									
9	40000177 2019-21 Streamflow Restoration Program	200,000,000				40,000,000	40,000,000	40,000,000	40,000,000	40,000,000
	366-1 W/trshd Rst									
	Enhnc Bnd-State									
10	40000179 2019-21 Yakima River Basin Water Supply	382,000,000				42,000,000	70,000,000	70,000,000	100,000,000	100,000,000
	057-1 State Bldg									
	Constr-State									
11	40000208 2019-21 Local Solid Waste Financial Assistance (LSWFA)	141,000,000				28,200,000	28,200,000	28,200,000	28,200,000	28,200,000
	174-1 Local Toxics									
	Control-State									
12	40000117 2019-21 Eastern Washington Clean Sites Initiative	52,110,000				12,110,000	10,000,000	10,000,000	10,000,000	10,000,000
	057-1 State Bldg									
	Constr-State									
13	40000178 2019-21 Drought and Climate Preparedness and Response	50,000,000				10,000,000	10,000,000	10,000,000	10,000,000	10,000,000
	057-1 State Bldg									
	Constr-State									
14	40000130 2019-21 Clean Up Toxics Sites - Puget Sound	50,225,000				10,225,000	10,000,000	10,000,000	10,000,000	10,000,000
	057-1 State Bldg									
	Constr-State									
	173-1 State Toxics	250,000				250,000				
	Control-State									
	Project Total:	50,475,000				10,475,000	10,000,000	10,000,000	10,000,000	10,000,000
15	40000149 Healthy Housing Remediation Program	50,095,000				10,035,000	10,015,000	10,015,000	10,015,000	10,015,000
	057-1 State Bldg									
	Constr-State									
16	40000111 2019-21 Sunnyside Valley Irrigation District Water Conservation	21,170,000				4,234,000	4,234,000	4,234,000	4,234,000	4,234,000
	057-1 State Bldg									
	Constr-State									
17	40000148 Lacey HQ Roof Replacement	3,089,000				3,089,000				
	057-1 State Bldg									
	Constr-State									

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18	40000145 Lacey HQ Parking Garage Preservation 057-1 State Bldg Constr-State	1,600,000				1,600,000				
19	40000151 2019-21 State Match- Water Pollution Control Revolving Program 355-1 St. Bld Const Acct-State	60,000,000				12,000,000	12,000,000	12,000,000	12,000,000	12,000,000
20	30000741 Eastern Regional Office Improvements and Stormwater Treatment 057-1 State Bldg Constr-State	3,886,000		33,000	1,887,000	1,966,000				
21	40000115 2019-21 Reducing Toxic Diesel Emissions 057-1 State Bldg Constr-State	25,000,000				5,000,000	5,000,000	5,000,000	5,000,000	5,000,000
22	40000126 2019-21 Reducing Toxic Wood Stove Emissions 057-1 State Bldg Constr-State	20,000,000				4,000,000	4,000,000	4,000,000	4,000,000	4,000,000
23	40000114 2019-21 ASARCO Cleanup 15H-1 Cleanup Set Acct-State	22,450,000				6,800,000	15,650,000			
24	30000708 Swift Creek Natural Asbestos Flood Control and Cleanup 057-1 State Bldg Constr-State	17,100,000			4,000,000	2,400,000	9,700,000	1,000,000		
25	40000210 Chemical Action Plan Implementation 174-1 Local Toxics Control-State	3,704,000				3,704,000				
26	40000147 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	40000150 Lacey HQ Building Envelope Repairs 057-1 State Bldg Constr-State	1,000,000				1,000,000				
28	40000146 2015 Drought Authority 05W-1 State Drought Prep-State	669,000				669,000				

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29	40000193 Zosel Dam Preservation	217,000				217,000				
	072-1 Improv-Water Supply-State	217,000								
30	40000207 Lacey HQ Facility Preservation Project—Minor Works	250,000				250,000				
	057-1 State Bldg Constr-State	250,000								
31	40000127 Padilla Bay Federal Capital Projects	500,000				500,000				
	001-2 General Fund-Federal	500,000								
32	40000128 Mercury Switch Removal	250,000				250,000				
	173-1 State Toxics Control-State	250,000								
33	30000710 Water Pollution Control Revolving Program	160,000,000			160,000,000					
	727-1 Water Pollution Cont-State	160,000,000			160,000,000					
	727-2 Water Pollution Cont-Federal	50,000,000			50,000,000					
	Project Total:	210,000,000			210,000,000					
34	30000534 Water Pollution Control Revolving Program	153,000,000	13,329,000		139,671,000					
	727-1 Water Pollution Cont-State	153,000,000	13,329,000		139,671,000					
	727-2 Water Pollution Cont-Federal	50,000,000		18,899,000	31,101,000					
	Project Total:	203,000,000	13,329,000	18,899,000	170,772,000					
35	40000018 VW Settlement Funded Projects	112,700,000			112,700,000					
	001-7 General Fund-Private/Local	112,700,000			112,700,000					
36	40000006 Catastrophic Flood Relief	10,000,000			10,000,000					
	001-2 General Fund-Federal	10,000,000			10,000,000					
	057-1 State Bldg Constr-State	50,000,000		318,000	49,682,000					
	Project Total:	60,000,000		318,000	59,682,000					

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37	92000076 Storm Water Improvements									
	057-1 State Bldg	60,000,000	2,184,000	11,304,000	46,512,000					
	Constr-State									
	19G-1 ELS	37,000,000	34,715,000	2,285,000						
	Account-State									
	Project Total:	97,000,000	36,899,000	13,589,000	46,512,000					
38	30000458 Remedial Action Grants									
	057-1 State Bldg	20,000,000			20,000,000					
	Constr-State									
	174-1 Local Toxics	32,747,000	9,132,000	6,475,000	17,140,000					
	Control-State									
	Project Total:	52,747,000	9,132,000	6,475,000	37,140,000					
39	30000796 2017-19 Stormwater Financial Assistance Program									
	057-1 State Bldg	25,000,000			25,000,000					
	Constr-State									
	173-1 State Toxics	11,400,000			11,400,000					
	Control-State									
	Project Total:	36,400,000			36,400,000					
40	30000706 Floodplains by Design									
	057-1 State Bldg	35,464,000		75,000	35,389,000					
	Constr-State									
41	30000705 2017-19 Centennial Clean Water program									
	057-1 State Bldg	35,000,000		210,000	34,790,000					
	Constr-State									
42	30000712 Columbia River Water Supply Development Program									
	057-1 State Bldg	19,550,000			19,550,000					
	Constr-State									
	10P-1 Col River	12,250,000			12,250,000					
	Water-State									
	296-1 Col River Bas	2,000,000			2,000,000					
	Wtr Su-State									
	Project Total:	33,800,000			33,800,000					

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Priority	Project by Account-EA Type	Total	Expenditures	Expenditures	2019-21	Approp	2021-23	2023-25	2025-27
						2019-21			
43	30000711 Yakima River Basin Water Supply								
	057-1 State Bldg	31,100,000		407,000	30,693,000				
	Constr-State								
44	30000797 2015-17 Restored Stormwater Financial Assistance								
	057-1 State Bldg	30,100,000		22,000	30,078,000				
	Constr-State								
45	30000535 Stormwater Financial Assistance Program								
	174-1 Local Toxics	31,200,000		2,164,000	29,036,000				
	Control-State								
46	30000670 ASARCO Cleanup								
	15H-1 Cleanup Set	28,760,000			28,760,000				
	Acct-State								
47	40000109 VW Air Quality Penalty Investment								
	216-1 Air Pollution Ctl	28,400,000			28,400,000				
	Ac-State								
48	30000537 Floodplains by Design								
	057-1 State Bldg	35,560,000	4,449,000	8,222,000	22,889,000				
	Constr-State								
49	30000216 Remedial Action Grant Program								
	174-1 Local Toxics	62,864,000	41,138,000	1,372,000	20,354,000				
	Control-State								
50	91000343 Water Availability								
	366-1 W/trshd Rst	13,600,000		11,000	13,589,000				
	Enhnc Bnd-State								
51	30000374 Remedial Action Grants								
	174-1 Local Toxics	62,537,000	40,050,000	10,854,000	11,633,000				
	Control-State								
52	30000427 Centennial Clean Water Program								
	057-1 State Bldg	12,500,000	6,395,000	3,538,000	2,567,000				
	Constr-State								
	174-1 Local Toxics	10,000,000	570,000	1,552,000	7,878,000				
	Control-State								
Project Total:		22,500,000	6,965,000	5,090,000	10,445,000				

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53	30000536 Coastal Wetlands Federal Funds	10,000,000			10,000,000					
	001-2 General Fund-Federal	10,000,000								
54	92000078 Floodplain Management and Control Grants	50,000,000	34,710,000	5,441,000	9,849,000					
	057-1 State Bldg Constr-State									
55	30000432 Eastern Washington Clean Sites Initiative	9,900,000	530,000	340,000	9,030,000					
	173-1 State Toxics Control-State									
56	30000590 Yakima River Basin Water Supply	9,800,000	3,180,000	2,213,000	4,407,000					
	057-1 State Bldg Constr-State									
	355-1 St. Bld Const Acct-State	20,200,000	15,674,000	393,000	4,133,000					
	355-B St. Bld Const Acct-Debt Limit									
	Project Total:	30,000,000	18,854,000	2,606,000	8,540,000					
57	19972012 Low-Level Nuclear Waste Disposal Trench Closure	13,402,000	4,852,000	19,000	8,531,000					
	125-1 Site Closure Account-State									
58	30000326 Centennial Clean Water Program	50,000,000	37,906,000	3,592,000	8,502,000					
	19G-1 ELS Account-State									
59	30000542 Cleanup Toxics Sites - Puget Sound	14,381,000	3,461,000	2,853,000	8,067,000					
	173-1 State Toxics Control-State									
60	30000328 Coastal Wetlands Federal Funds	9,800,000		2,271,000	7,529,000					
	001-2 General Fund-Federal									
61	30000740 Water Irrigation Efficiencies Program	6,500,000		36,000	6,464,000					
	057-1 State Bldg Constr-State									
62	30000707 2017-19 Remedial Action Grants									

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62	30000707 2017-19 Remedial Action Grants 174-1 Local Toxics Control-State	5,877,000			5,877,000					
63	30000763 2015-17 Restored Clean Up Toxics Sites - Puget Sound 057-1 State Bldg Constr-State	5,240,000		11,000	5,229,000					
64	40000108 Healthy Housing Remediation Grant Program 173-1 State Toxics Control-State	5,100,000			5,100,000					
65	30000714 Watershed Plan Implementation and Flow Achievement 057-1 State Bldg Constr-State	5,000,000		102,000	4,898,000					
66	30000039 Remedial Action Grant Program 057-1 State Bldg Constr-State 174-1 Local Toxics Control-State	37,700,000 37,409,000	36,969,000 32,793,000	33,000 650,000	698,000 3,966,000					
	Project Total:	75,109,000	69,762,000	683,000	4,664,000					
67	30000538 ASARCO Cleanup 15H-1 Cleanup Set Acct-State	12,146,000	5,104,000	2,466,000	4,576,000					
68	30000588 Columbia River Water Supply Development Program 10P-1 Col River Water-State 10P-B Col River Water-Debt Limit 296-1 Col River Bas Wtr Su-State	16,800,000 2,200,000	13,267,000 118,000	1,389,000	2,144,000 2,082,000					
	Project Total:	19,000,000	13,385,000	1,389,000	4,226,000					
69	30000673 Sunnyside Valley Irrigation District Water Conservation 057-1 State Bldg Constr-State	4,684,000		764,000	3,920,000					
70	30000587 Water Irrigation Efficiencies Program									

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70	30000587 Water Irrigation Efficiencies Program	4,000,000	283,000	201,000	3,516,000					
	057-1 State Bldg									
	Constr-State									
71	30000331 Watershed Plan Implementation and Flow Achievement	10,000,000	5,321,000	1,350,000	3,329,000					
	057-1 State Bldg									
	Constr-State									
72	30000280 ASARCO - Tacoma Smelter Plume and Mines	20,647,000	17,717,000	75,000	2,855,000					
	15H-1 Cleanup Set									
	Acct-State									
73	91000347 Skagit Water	2,500,000			2,500,000					
	057-1 State Bldg									
	Constr-State									
74	30000589 Sunnyside Valley Irrigation District Water Conservation	3,055,000	450,000	148,000	2,457,000					
	057-1 State Bldg									
	Constr-State									
75	30000334 ASARCO Cleanup	6,000,000	5,995,000	5,000						
	057-1 State Bldg									
	Constr-State									
	15H-1 Cleanup Set	30,660,000	25,559,000	2,675,000	2,426,000					
	Acct-State									
	Project Total:	36,660,000	31,554,000	2,680,000	2,426,000					
76	30000704 2015-17 Restored Eastern Washington Clean Sites Initiative	2,436,000		18,000	2,418,000					
	057-1 State Bldg									
	Constr-State									
77	20062950 Columbia River Basin Water Supply Development Program	80,867,000	77,963,000	522,000	2,382,000					
	10P-1 Col River									
	Water-State									
	10P-B Col River									
	Water-Debt Limit									
	18B-1 Col Riv Bas	10,404,000	10,404,000							
	Acct-State									
	18B-B Col Riv Bas									
	Acct-Debt Limit									

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Ten Year Capital Plan by Project Priority**
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Version: BI Biennial 2019-21 Initial

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Project by Agency Priority										
Priority	Project by Account-EA Type	Estimated Total	Prior Expenditures	Current Expenditures	Reapprop 2019-21	New Approp 2019-21	Estimated 2021-23	Estimated 2023-25	Estimated 2025-27	Estimated 2027-29
Project Total:		91,271,000	88,367,000	522,000	2,382,000					
78	30000591 Watershed Plan Implementation and Flow Achievement									
	057-1 State Bldg Constr-State	5,000,000	1,653,000	1,139,000	2,208,000					
79	30000749 Clean Up Toxic Sites – Puget Sound									
	173-1 State Toxics Control-State	2,182,000			2,182,000					
80	30000674 Reducing Toxic Woodstove Emissions									
	057-1 State Bldg Constr-State	2,000,000			2,000,000					
	173-1 State Toxics Control-State									
Project Total:		2,000,000			2,000,000					
81	30000337 Clean Up Toxics Sites - Puget Sound									
	19G-1 ELS Account-State	25,055,000	22,909,000	242,000	1,904,000					
82	30000742 Eastern Washington Clean Sites Initiative									
	173-1 State Toxics Control-State	1,740,000			1,740,000					
83	92000142 Drought Response									
	05W-1 State Drought Prep-State	6,723,000	5,027,000	137,000	1,559,000					
84	30000372 Columbia River Water Supply Development Program									
	10P-1 Col River Water-State	43,955,000	40,127,000	2,678,000	1,150,000					
	10P-B Col River Water-Debt Limit									
	18B-1 Col Riv Bas Acct-State	30,545,000	29,529,000	971,000	45,000					
	18B-B Col Riv Bas Acct-Debt Limit									
Project Total:		74,500,000	69,656,000	3,649,000	1,195,000					
85	30000373 Yakima River Basin Water Supply									

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Project by Agency Priority		Estimated	Prior	Current	Reapprop	New	Estimated	Estimated	Estimated
Priority	Project by Account-EA Type	Total Expenditures	Expenditures	Expenditures	2019-21	Approp	2021-23	2023-25	2025-27
						2019-21			
85	30000373 Yakima River Basin Water Supply								
	057-1 State Bldg	32,100,000	30,641,000	304,000	1,155,000				
	Constr-State								
86	30000333 Dungeness Water Supply & Mitigation								
	057-1 State Bldg	2,050,000	715,000	225,000	1,110,000				
	Constr-State								
87	91000181 Skagit Mitigation								
	057-1 State Bldg	2,225,000	1,231,000	20,000	974,000				
	Constr-State								
88	30000672 Waste Tire Pile Cleanup and Prevention								
	08R-1 Waste Tire Removal A-State	1,000,000		74,000	926,000				
89	30000490 Leaking Tank Model Remedies								
	173-1 State Toxics Control-State	2,000,000	802,000	392,000	806,000				
90	92000158 Port of Tacoma Arkema/Dunlap Mound								
	057-1 State Bldg	2,900,000	2,146,000	19,000	735,000				
	Constr-State								
91	20084029 Watershed Plan Implementation and Flow Achievement								
	057-1 State Bldg	14,000,000	12,987,000	313,000	700,000				
	Constr-State								
92	30000713 Lacey Headquarters Facility Preservation Projects								
	057-1 State Bldg	635,000			635,000				
	Constr-State								
93	30000282 Padilla Bay Federal Capital Projects								
	001-2 General Fund-Federal	800,000	135,000	59,000	606,000				
94	30000213 Watershed Plan Implementation and Flow Achievement								
	057-1 State Bldg	8,079,000	7,245,000	312,000	522,000				
	Constr-State								
95	30000335 Padilla Bay Federal Capital Projects - Programmatic								
	001-2 General Fund-Federal	500,000			500,000				

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Priority	Project by Account-EA Type	Estimated Total Expenditures	Prior Expenditures	Current Expenditures	Reapprop 2019-21	New Approp 2019-21	Estimated 2021-23	Estimated 2023-25	Estimated 2025-27	Estimated 2027-29
96	30000671 Reducing Toxic Diesel Emissions 057-1 State Bldg Constr-State	500,000			500,000					
97	91000032 Clean Up Toxics Sites - Puget Sound 173-1 State Toxics Control-State	9,270,000	8,579,000	353,000	338,000					
98	30000144 Clean Up Toxics Sites - Puget Sound 057-1 State Bldg Constr-State 15H-1 Cleanup Set Acct-State 173-1 State Toxics Control-State	511,000	511,000	18,300,000						
	Project Total:	39,034,000	38,545,000	159,000	330,000	330,000				
99	30000028 Watershed Plan Implementation and Flow Achievement 057-1 State Bldg Constr-State	6,000,000	5,642,000	61,000	297,000					
100	19742006 Water Supply Facilities 05W-1 State Drought Prep-State 072-1 Improv-Water Supply-State 072-B Improv-Water Supply-Debt Limit	3,899,000	3,899,000	11,512,000					295,000	
	Project Total:	15,411,000	15,116,000		295,000	295,000				
101	20084008 Remedial Action Grants 057-1 State Bldg Constr-State 174-1 Local Toxics Control-State	54,000,000	53,534,000	223,000	243,000					
	Project Total:	92,875,000	92,409,000	223,000	243,000	243,000				
102	20064008 Local Toxics Grants for Cleanup and Prevention									

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<u>Priority</u>	<u>Project by Account-EA Type</u>	<u>Estimated Total Expenditures</u>	<u>Prior Expenditures</u>	<u>Current Expenditures</u>	<u>Reapprop 2019-21</u>	<u>New Approp 2019-21</u>	<u>Estimated 2021-23</u>	<u>Estimated 2023-25</u>	<u>Estimated 2025-27</u>	<u>Estimated 2027-29</u>
102	20064008 Local Toxics Grants for Cleanup and Prevention									
	057-1 State Bldg Constr-State	21,237,000	20,742,000	259,000	236,000					
	174-1 Local Toxics Control-State	77,611,000	77,611,000							
	Project Total:	98,848,000	98,353,000	259,000	236,000					
103	91000338 Integrated Planning Grant: Port Townsend									
	057-1 State Bldg Constr-State	200,000			200,000					
104	30000431 Waste Tire Pile Cleanup and Prevention									
	08R-1 Waste Tire Removal A-State	1,000,000	700,000	101,000	199,000					
105	30000265 Clean Up Toxics Sites - Puget Sound									
	173-1 State Toxics Control-State	15,202,000	14,991,000	27,000	184,000					
106	30000351 Eastern Washington Clean Sites Initiative									
	19G-1 ELS Account-State	7,600,000	7,221,000	203,000	176,000					
107	20042951 Twin Lake Aquifer Recharge Project									
	057-1 State Bldg Constr-State	749,000	593,000		156,000					
108	20052852 Quad Cities Water Right Mitigation									
	057-1 State Bldg Constr-State	1,600,000	1,484,000		116,000					
109	30000428 Reducing Toxic Diesel Emissions									
	173-1 State Toxics Control-State	1,000,000	643,000	249,000	108,000					
110	20081951 Transfer of Water Rights for Cabin Owners									
	057-1 State Bldg Constr-State	450,000	358,000	11,000	81,000					
111	30000389 Water Irrigation Efficiencies Program									
	057-1 State Bldg Constr-State	4,000,000	3,873,000	68,000	59,000					

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<u>Priority</u>	<u>Project by Account-EA Type</u>	<u>Estimated Total Expenditures</u>	<u>Prior Expenditures</u>	<u>Current Expenditures</u>	<u>Reapprop 2019-21</u>	<u>New Approp 2019-21</u>	<u>Estimated 2021-23</u>	<u>Estimated 2023-25</u>	<u>Estimated 2025-27</u>	<u>Estimated 2027-29</u>
112	92000156 Water Treatment Plant (Lakewood)	1,500,000	328,000	1,117,000	55,000					
	057-1 State Bldg	1,500,000	328,000	1,117,000	55,000					
	Constr-State									
113	30000278 Yakima Basin Integrated Water Management Plan Implementation	1,871,000	1,819,000	1,000	51,000					
	057-1 State Bldg	1,871,000	1,819,000	1,000	51,000					
	Constr-State									
114	30000323 Mercury Switch Removal	500,000	385,000	65,000	50,000					
	173-1 State Toxics	500,000	385,000	65,000	50,000					
	Control-State									
115	91000007 Habitat Mitigation	2,401,000	2,352,000	2,000	47,000					
	057-1 State Bldg	2,401,000	2,352,000	2,000	47,000					
	Constr-State									
Total		6,313,232,000	932,756,000	105,092,000	1,171,012,000	814,226,000	826,299,000	801,949,000	830,949,000	830,949,000

<u>Account-Expenditure Authority Type</u>	<u>Estimated Total Expenditures</u>	<u>Prior Expenditures</u>	<u>Current Expenditures</u>	<u>Reapprop 2019-21</u>	<u>New Approp 2019-21</u>	<u>Estimated 2021-23</u>	<u>Estimated 2023-25</u>	<u>Estimated 2025-27</u>	<u>Estimated 2027-29</u>
001-2 General Fund-Federal	31,600,000	135,000	2,330,000	28,635,000	500,000				
001-7 General Fund-Private/Local	112,700,000			112,700,000					
057-1 State Bldg Constr-State	2,907,548,000	247,790,000	38,525,000	384,802,000	464,735,000	434,949,000	426,249,000	455,249,000	455,249,000
05W-1 State Drought Prep-State	11,291,000	8,926,000	137,000	1,559,000	669,000				
072-1 Improv-Water Supply-State	11,729,000	11,217,000		295,000	217,000				
072-B Improv-Water Supply-Debt Limit									
08R-1 Waste Tire Removal A-State	7,000,000	700,000	175,000	1,125,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
10P-1 Col River Water-State	153,872,000	131,357,000	4,589,000	17,926,000					
10P-B Col River Water-Debt Limit									
125-1 Site Closure Account-State	13,402,000	4,852,000	19,000	8,531,000					

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 Ten Year Capital Plan by Project Priority
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Total Account Summary										
Account-Expenditure Authority Type	Estimated Total	Prior Expenditures	Current Expenditures	Reapprop 2019-21	New Approp 2019-21	Estimated 2021-23	Estimated 2023-25	Estimated 2025-27	Estimated 2027-29	
15H-1 Cleanup Set Acct-State	132,963,000	66,680,000	5,216,000	38,617,000	6,800,000	15,650,000				
173-1 State Toxics Control-State	93,398,000	49,125,000	4,438,000	39,335,000	500,000					
174-1 Local Toxics Control-State	784,825,000	240,169,000	23,067,000	95,884,000	58,905,000	91,700,000	91,700,000	91,700,000	91,700,000	91,700,000
18B-1 Col Riv Bas Acct-State	40,949,000	39,933,000	971,000	45,000						
18B-B Col Riv Bas Acct-Debt Limit										
19G-1 ELS Account-State	119,655,000	102,751,000	6,322,000	10,582,000						
216-1 Air Pollution Ctl/Ac-State	28,400,000			28,400,000						
296-1 Col River Bas Wtr Su-State	14,600,000	118,000		4,082,000	2,400,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
355-1 St. Bld Const Acct-State	142,700,000	15,674,000	393,000	4,133,000	22,500,000	25,000,000	25,000,000	25,000,000	25,000,000	25,000,000
355-B St. Bld Const Acct-Debt Limit										
366-1 Wtrshd Rst Enhmc Bnd-State	213,600,000		11,000	13,589,000	40,000,000	40,000,000	40,000,000	40,000,000	40,000,000	40,000,000
727-1 Water Pollution Cont-State	1,113,000,000	13,329,000		299,671,000	160,000,000	160,000,000	160,000,000	160,000,000	160,000,000	160,000,000
727-2 Water Pollution Cont-Federal	380,000,000		18,899,000	81,101,000	56,000,000	56,000,000	56,000,000	56,000,000	56,000,000	56,000,000
Total	6,313,232,000	932,756,000	105,092,000	1,171,012,000	814,226,000	826,299,000	801,949,000	830,949,000	830,949,000	830,949,000



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

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**461 - Department of Ecology
Capital FTE Summary
2019-21 Biennium**

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Version: BI Biennial 2019-21 Initial

Report Number: CBS004
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FTEs by Job Classification

<u>Job Class</u>	Authorized Budget		2019-21 Biennium	
	2017-19 Biennium		2019-21 Biennium	
	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u>
32 - Environmental Technician			0.0	1.5
33 - Secretary Senior			0.7	0.5
39 - Environmental Specialist 1			2.0	2.0
43 - Environmental Specialist 2			0.6	0.6
44 - Fiscal Analyst 2			6.6	6.7
46 - Administrative Assistant 4			0.8	0.8
49 - Comm Outreach & Enviro Ed Spec 3			1.5	1.5
49 - Environmental Specialist 3			6.9	6.9
49 - Natural Resource Specialist 2			2.0	2.0
52 - Hydrogeologist 1			0.3	0.3
53 - Natural Resource Specialist 3			2.0	2.0
54 - IT Specialist 2			3.3	3.3
55 - Environmental Planner 3			2.6	2.6
55 - Environmental Specialist 4			18.2	17.6
58 - Hydrogeologist 2			1.8	1.8
59 - Environmental Planner 4			9.6	9.6
59 - Environmental Specialist 5			1.2	1.2
60 - Management Analyst 5			1.0	1.0
61 - Communications Consultant 5			0.2	0.2
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			4.1	4.1
66 - Hydrogeologist 4			0.5	0.5
67 - Environmental Engineer 3			1.0	1.0
70 - Hydrogeologist 5			0.3	0.3
71 - Environmental Engineer 5			2.1	2.1
EMS 3			0.1	0.1
EMS 4			0.8	0.8
WMS 1			0.7	0.7
WMS 2			0.6	0.6
Total FTEs			75.9	76.7

Account

<u>Account - Expenditure Authority Type</u>	Authorized Budget		2019-21 Biennium	
	2017-19 Biennium		2019-21 Biennium	
	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u>
001-7 General Fund-Private/Local			622,145	622,145
057-1 State Bldg Constr-State			6,771,518	6,885,586
08R-1 Waste Tire Removal A-State			112,293	112,293
15H-1 Cleanup Set Acct-State			1,188,000	1,188,000

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Capital FTE Summary
2019-21 Biennium

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Account (Continued)

<u>Account - Expenditure Authority Type</u>	Authorized Budget			
	2017-19 Biennium		2019-21 Biennium	
	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u>
173-1 State Toxics Control-State			33,309	33,309
174-1 Local Toxics Control-State			127,157	127,157
216-1 Air Pollution Ctl Ac-State			142,672	0
Total Funding			8,997,094	8,968,490

Narrative

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Capital FTE Summary
2019-21 Biennium

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Narrative

Capital FTE Narrative

40000018 VW Settlement Funded Projects

This project requires a total of 5.75 FTEs a year. These staff will administer the program, including soliciting applications, contracting with grant recipients, contracting with technology and service vendors, providing technical assistance, processing vendor/recipient payments, and closing grant awards. Staff will also finalize Washington's mitigation plan and provide program oversight including, developing award category guidelines, developing materials, outreach, and training to prospective applicants, trustee coordination, developing an award tracking system, 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.

40000109 VW Air Quality Penalty Investment

This project requires a total of 1.38 FTEs in FY 2020, for a biennial average of 0.69 FTE in 2019-21. These staff will administer the program, including developing and soliciting applications, contracting with grant recipients, contracting with technology and service vendors, providing technical assistance, processing vendor/recipient payments, and closing grant awards.

40000115 2019-21 Reducing Toxic Diesel 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.

40000126 2019-21 Reducing Toxic Woodstove 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.

40000128 Mercury Switch Removal

This request requires a total of 0.29 FTE to provide outreach and technical assistance to wrecking and recycling facilities participating in the Automotive Mercury Switch Removal Program, which is about the same level of FTE supporting this work in the 2017-19 Biennium.

40000210 Chemical Action Plan Implementation

Ecology requires a total of 1.15 FTEs to provide administrative oversight and management of the \$3,450,000 that will be passed through to local governments in the Local Source Control Partnership to remove and replace toxic chemicals present in consumer and commercial products or technologies before they get into the environment.

40000129 2019-21 Floodplains by Design

This project requires a total of 5.18 FTEs. Floodplains by Design program staff provide project oversight, performance and financial management, outreach to local floodplain management agencies, and coordination with our partners 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 the same level of FTEs that is used in the 2017-19 Biennium.

40000209 2019-21 Chehalis Basin Strategy

Ecology requests 17.31 FTEs for this project for Fiscal Year 2020; 19.49 FTEs for Fiscal Year 2021 at a cost of \$2.4 million in Fiscal Year 2020 and \$2.5 million in Fiscal Year 2021. Note: Ecology is requesting Office of Chehalis Basin staff in a related operating budget request for the 2019-21 Biennium, consistent with the fiscal note for HB 2856.

This amount is more than the 11.27 FTEs requested for the 2017-19 Biennium for Catastrophic Flood Relief because additional staff are needed for water quality modeling and monitoring; technical assistance, permitting and coordination of Strategy work; and to

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Capital FTE Summary
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Narrative

manage the EIS process for the proposed Chehalis River dam and airport levee improvements. FTE requirements for Ecology staff will vary each biennium, depending on the status the Strategy and the specific steps planned for that time period. Additional details and breakdown on state-wide staffing needs associated with this request will be included in the project list planned for submission in October 2018 (after Board review and approval).

40000114 2019-21 ASARCO Cleanup

This project requires a total of 10.35 FTEs to continue to support the ASARCO remediation activities in Tacoma as part of the 10-year cleanup plan and maintain existing staff levels.

40000211 2019-21 Remedial Action Grants

This project requires a total of 4.03 FTEs to manage the project and provide agencywide capital budget coordination and cash management. This is an increase over the 2017-19 biennium of one full-time grant manager. The RAG program administers approximately 90 grants. With only two grant managers overseeing 45 grants each, the RAG program was exceeding the workload of other grant administrators in Ecology. Assigning about 30 grants each provides a better balance of RAG managers' time for oversight of state funding. FTE estimates are for the biennial workload for this project. Actual FTEs may vary depending on the timing of the enacted budget.

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 administrators also provide technical expertise to program development and policy work and to agencywide projects. This includes their input and review on policy documents and active participation in the management of Ecology's grant and loan system (EAGL).

40000147 Waste Tire Pile Cleanup and Prevention

This project requires a total of 1.15 FTEs. This is the same level of FTEs currently supporting this capital project in the 2017-19 Biennium. Staff is required to manage and coordinate tire grant efforts and provide technical support for prevention, enforcement, and removal efforts.

40000144 2019-21 Stormwater Financial Assistance Program

Ecology requires a total of 18.69 FTEs to support ongoing management of 246 active grants from prior biennia SFAP funding and an estimated 60-70 new SFAP grants in 2019-21. 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.

40000111 2019-21 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 2017-19 Biennium.

40000152 2019-21 Columbia River Basin 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 1.0 FTE above staffing levels in the 17-19 biennium. OCR requires additional project management support due to the increase in the number of active projects being implemented. The additional 1.0 Environmental Planner 4 FTE (and 0.15 overhead FTE for a total of 1.15 additional FTE in 19-21) will provide project and financial oversight of contracts and grants for the purpose of ensuring compliance with state law.

40000178 2019-21 Drought & Climate Preparedness and Response

This request requires 1.15 FTEs to provide project management, scientific expertise, contract oversight, and support to implement

**461 - Department of Ecology
Capital FTE Summary
2019-21 Biennium**

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Version: BI Biennial 2019-21 Initial

Report Number: CBS004

Date Run: 9/8/2018 12:06PM

Narrative

projects.

40000179 2019-21 Yakima River Basin Water Supply

This project requires 2.19 FTEs to provide project management, scientific expertise, contract oversight and support to implement Plan projects. This is a similar level of FTEs currently supporting this capital project (2.30) in the 2017-19 Biennium. 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 2019-21.

Capital FTEs by Project for 2019-21 Biennial Budget

September 7, 2018

Purpose: The purpose of this report is to identify Ecology's requested Capital FTEs for the 2019-21 Biennial Budget.

Project Title	Project #	Program	2017-19 FTEs	2019-21 FTEs	Account	Explanation
VW Settlement Funded Projects	40000018	AQ	5.75	5.75	057-1	This project requires a total of 5.75 FTEs a year. These staff will administer the program, including soliciting applications, contracting with grant recipients, contracting with technology and service vendors, providing technical assistance, processing vendor/recipient payments, and closing grant awards. Staff will also finalize Washington's mitigation plan and provide program oversight including, developing award category guidelines, developing materials, outreach, and training to prospective applicants, trustee coordination, developing an award tracking system, 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.
VW Air Quality Penalty Investment	40000109	AQ	2.88	0.69	216-1	This project requires a total of 1.38 FTEs in FY 2020, for a biennial average of 0.69 FTE in 2019-21. These staff will administer the program, including developing and soliciting applications, contracting with grant recipients, contracting with technology and service vendors, providing technical assistance, processing vendor/recipient payments, and closing grant awards.
2019-21 Reducing Toxic Diesel Emissions	40000115	AQ	0.00	1.15	057-1	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.
2019-21 Reducing Toxic Woodstove Emissions	40000126	AQ	0.15	0.29	057-1	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.
Mercury Switch Removal	40000128	HWTR	0.29	0.29	173-1	This request requires a total of 0.29 FTE to provide outreach and technical assistance to wrecking and recycling facilities participating in the Automotive Mercury Switch Removal Program, which is about the same level of FTE supporting this work in the 2017-19 Biennium.
Chemical Action Plan Implementation	40000210	HWTR	N/A	1.15	174-1	Ecology requires a total of 1.15 FTEs to provide administrative oversight and management of the \$3,450,000 that will be passed through to local governments in the Local Source Control Partnership to remove and replace toxic chemicals present in consumer and commercial products or technologies before they get into the environment.
2019-21 Floodplains by Design	40000129	SEA	5.18	5.18	057-1	This project requires a total of 5.18 FTEs. Floodplains by Design program staff provide project oversight, performance and financial management, outreach to local floodplain management agencies, and coordination with our partners 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 the same level of FTEs that is used in the 2017-19 Biennium.

Project Title	Project #	Program	2017-19 FTEs	2019-21 FTEs	Account	Explanation
2019-21 Chehalis Basin Strategy	40000209	SEA	11.27	18.40	057-1	<p>Ecology requests 17.31 FTEs for this project for Fiscal Year 2020; 19.49 FTEs for Fiscal Year 2021 at a cost of \$2.4 million in Fiscal Year 2020 and \$2.5 million in Fiscal Year 2021. Note: Ecology is requesting Office of Chehalis Basin staff in a related operating budget request for the 2019-21 Biennium, consistent with the fiscal note for HB 2856.</p> <p>This amount is more than the 11.27 FTEs requested for the 2017-19 Biennium for Catastrophic Flood Relief because additional staff are needed for water quality modeling and monitoring; technical assistance, permitting and coordination of Strategy work; and to manage the EIS process for the proposed Chehalis River dam and airport levee improvements. FTE requirements for Ecology staff will vary each biennium, depending on the status the Strategy and the specific steps planned for that time period. Additional details and breakdown on state-wide staffing needs associated with this request will be included in the project list planned for submission in October 2018 (after Board review and approval).</p>
2019-21 ASARCO Cleanup	40000114	TCP	12.89	10.35	15H-1	<p>This project requires a total of 10.35 FTEs to continue to support the ASARCO remediation activities in Tacoma as part of the 10-year cleanup plan and maintain existing staff levels.</p>
2019-21 Remedial Action Grants	40000211	TCP	2.88	4.03	057-1	<p>This project requires a total of 4.03 FTEs to manage the project and provide agencywide capital budget coordination and cash management. This is an increase over the 2017-19 biennium of one full-time grant manager. The RAG program administers approximately 90 grants. With only two grant managers overseeing 45 grants each, the RAG program was exceeding the workload of other grant administrators in Ecology. Assigning about 30 grants each provides a better balance of RAG managers' time for oversight of state funding. FTE estimates are for the biennial workload for this project. Actual FTEs may vary depending on the timing of the enacted budget.</p> <p>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 administrators also provide technical expertise to program development and policy work and to agencywide projects. This includes their input and review on policy documents and active participation in the management of Ecology's grant and loan system (EAGL).</p>
Waste Tire Pile Cleanup and Prevention	40000147	W2R	1.15	1.15	08R-1	<p>This project requires a total of 1.15 FTEs. This is the same level of FTEs currently supporting this capital project in the 2017-19 Biennium. Staff is required to manage and coordinate tire grant efforts and provide technical support for prevention, enforcement, and removal efforts.</p>
2019-21 Stormwater Financial Assistance Program	40000144	WQ	20.65	18.69	057-1	<p>Ecology requires a total of 18.69 FTEs to support ongoing management of 246 active grants from prior biennia SFAP funding and an estimated 60-70 new SFAP grants in 2019-21. SFAP FTEs that manage, oversee, and administer the expanded SFAP program and projects include:</p> <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.

Project Title	Project #	Program	2017-19 FTEs	2019-21 FTEs	Account	Explanation
2019-21 Sunnyside Valley Irrigation District Water Conservation	40000111	WR	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 2017-19 Biennium.
2019-21 Columbia River Basin Water Supply Development Program	40000152	WR	4.45	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 1.0 FTE above staffing levels in the 17-19 biennium. OCR requires additional project management support due to the increase in the number of active projects being implemented. The additional 1.0 Environmental Planner 4 FTE (and 0.15 overhead FTE for a total of 1.15 additional FTE in 19-21) will provide project and financial oversight of contracts and grants for the purpose of ensuring compliance with state law.
2019-21 Drought & Climate Preparedness and Response	40000178	WR	N/A	1.15	057-1	This request requires 1.15 FTEs to provide project management, scientific expertise, contract oversight, and support to implement projects.
2019-21 Yakima River Basin Water Supply	40000179	WR	2.19	2.19	057-1	This project requires 2.19 FTEs to provide project management, scientific expertise, contract oversight and support to implement Plan projects. This is a similar level of FTEs currently supporting this capital project (2.30) in the 2017-19 Biennium. 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 2019-21.

TOTAL FTEs			70.0	76.3		
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Department of Ecology
2019-21 Capital Budget Requests Supporting the Puget Sound Action Agenda

September 5, 2018

Project Requests	Sub-strategy	Vital Sign Regional Priorities	Ongoing Program	Biennial Science Workplan Action	Near Term Action (NTA)	Puget Sound Dollars	Total Request Dollars
1.40000110 2019-21 Water Pollution Control Revolving Program	10.1 Managing urban runoff at the basin and watershed by providing funding to local governments through the Clean Water CWSRF Program 11.1 Targeting Voluntary and Incentive-base Programs that Help Working Farms Contribute to Puget Sound Recovery 13.3 Improving and Expanding Funding for Small Onsite Sewage Systems (OSS) and Local OSS Programs	LDC3.3 BIBI3.1 TIF1.1 SHELL1.4 BIBI5.1 CHIN2.5	Provide WQ Financial Assistance		2018-0444 2018-0445 2018-0448 2018-0450 2018-0473 2018-0655 2018-0887 2018-0943	\$ 129,600,000	\$ 216,000,000
2. 40000194 Protect Investments in Cleanup Remedies	10.3 Fix problems caused by existing development 21.2 Clean up contaminated sites within and near Puget Sound	TIF1.1	TCP - Cleaning up priority bays in Puget Sound			\$ 9,352,000	\$ 9,637,000
3. 40000211 2019-21 Remedial Action Grants	10.3 Fix problems caused by existing development 21.2 Clean up contaminated sites within and near Puget Sound	TIF1.1 TIF3.1	TCP - Remedial Action Grant Program			\$ 67,769,000	\$ 85,089,000
4. 40000116 2019-21 Centennial Clean Water Program	10.1 Manage urban runoff at the basin and watershed scale 11.1 Targeting Voluntary and Incentive-base Programs that Help Working Farms Contribute to Puget Sound Recovery 13.3 Improving and Expanding Funding for Small Onsite Sewage Systems (OSS) and Local OSS Programs	CHIN2.5 LDC3.3 BIBI3.1 TIF1.1	Provide WQ Financial Assistance		2018-0444 2018-0445 2018-0448 2018-0450 2018-0473 2018-0655 2018-0887 2018-0943	\$ 36,000,000	\$ 60,000,000
5. 40000129 2019-21 Floodplains by Design	5.3 Protect and Maintain intact functional floodplains 5.4 Implement and maintain priority floodplain restoration projects	FP3.3 FP3.2 FP2.1	Floodplains by Design grant program, a partnership of Ecology, The Nature Conservancy, and Puget Sound Partnership		2016-0213 2016-0401 2018-0640 2018-0730	\$ 63,000,000	\$ 70,000,000
6. 40000144 2019-21 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	BIBI1.1 CHIN2.6 LDC3.3 BIBI3.1 CHIN2.5	Stormwater Financial Assistance Program		2018-0444 2018-0445 2018-0448 2018-0450 2018-0473 2018-0655 2018-0887 2018-0943	\$ 36,000,000	\$ 60,000,000
7. 40000130 2019-21 Clean Up Toxic Sites - Puget Sound	10.3 Fix problems caused by existing development 21.2 Clean up contaminated sites within and near Puget Sound	TIF1.1 TIF3.1 CHIN2.6	TCP - Cleaning up priority bays in Puget Sound			\$ 10,225,000	\$ 10,475,000

Department of Ecology
2019-21 Capital Budget Requests Supporting the Puget Sound Action Agenda

September 5, 2018

Project Requests	Sub-strategy	Vital Sign Regional Priorities	Ongoing Program	Biennial Science Workplan Action	Near Term Action (NTA)	Puget Sound Dollars	Total Request Dollars
8. 40000149 2019-21 Healthy Housing Remediation Program	10.3 Fix problems caused by existing development 21.2 Clean up contaminated sites within and near Puget Sound	TIF3.1 CHIN2.6	Toxics Cleanup Program			\$ 7,627,000	\$ 10,035,000
9. 40000115 2019-21 Reducing Toxic Diesel 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	TIF1.1 TIF4.1			2016-0284 2018-0472	\$ 3,350,000	\$ 5,000,000
10. 40000126 2019-21 Reducing Toxic Woodstove 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	TIF1.1 TIF4.1			2016-0028	\$ 2,680,000	\$ 4,000,000
11. 40000114 2019-21 ASARCO Cleanup	21.2 Clean Up contaminated site within and near Puget Sound	TIF1.1	Tacoma Smelter Plume			\$ 6,800,000	\$ 6,800,000
12. 40000210 Chemical Action Plan Implementation (Operating & Capital)	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	TIF1.1 CHIN4.2	Hazardous Waste and Toxic Reduction Program		2018-0465 2018-0470 2018-0473 2018-0864	\$ 2,778,000	\$ 3,704,000
13. 40000128 Mercury Switch Removal	9.1 Implement and strengthen authorities and programs to prevent toxic chemicals from entering the Puget Sound ecosystem by reducing hazardous waste and discharges of toxic chemicals being released into the environment	TIF1.1	Hazardous Waste and Toxic Reduction Program			\$ 113,000	\$ 250,000
Total Capital Request in Support of the Puget Sound Action Agenda						\$ 375,294,000	



DEPARTMENT OF
ECOLOGY
State of Washington

2019-21 Biennium Maintenance Backlog Reduction Plan

August 24, 2018

This 2019-21 Maintenance Backlog Reduction Plan (2019-21 Plan) meets the requirements of the Office of Financial Management's (OFM) [2019-29 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 2019-21 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 25 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 2019-21 Biennium Budget include:

- *Roof Replacement (\$3,089,000)* - The roof 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.
- *Parking Garage Preservation (\$1,600,000)* - 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.
- *Building Envelope Repairs (\$1,000,000)* - Exterior cladding surfaces are predominantly precast concrete, metal panels, and cast-in-place concrete made watertight by joining the components with sealant joints that require major replacement work to preserve the condition of the building envelope. Materials used to seal these concrete and metal panels, and the concrete on the building's exterior have exceeded their life expectancy, compromising the integrity of the building envelope and are in need of replacement. Sealant

materials on the south side of the facility were replaced in 2016. This request will replace failed sealant materials on exterior surfaces on the north side to complete this work for the entire building.

- *HVAC Preservation Project- Minor Works (\$250,000)* - The equipment in Ecology's data center is the only source of heat for the 60,000 square foot basement and, with the required relocation of Ecology's data center to the State Data Center, the heat source must be replaced. Preliminary work with the mechanical engineers indicates that piping hot water from the second floor boilers will be the most cost effective and energy efficient way to add heat to the basement. This project must be completed prior to the data center equipment removal and is anticipated to take four months to complete. Without heating system modification, the basement areas of the building, including our main auditorium and facility services, will be too cold to work in.

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

Eastern Regional Office (ERO)

Ecology's 2019-21 Capital Budget request for \$1,966,000 will continue the improvements and stormwater treatment work at 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.

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 2019-21 Biennium, although normal maintenance will be required to keep the facility in good condition.

Projects and priorities that have changed since the 2017-19 Maintenance Backlog Reduction Plan (2017-19 Plan) include the following:

- **Zosel Dam & Control Facility:** 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. Budget requests for the 2019-21 Biennium include: \$50,000 for facility maintenance and replacement parts; \$100,000 for a Structural Integrity and Operational Assessment that will determine future facility maintenance needs; \$50,000 for channel dredging; and, \$17,000 for east abutment riprap to better resist erosive forces and secure the east abutment structure. This facility has recently been added to OFM's Facility Portfolio Management Tool (FPMT), and Ecology is now including it in this 2019-21 Plan to help coordinate funding for maintenance activities and long-term preservation associated with this state asset.

- The 2017-19 Plan included a line item in the 2019-21 Biennium for upgrades to the statewide key card access systems of \$1,500,000. This estimate included replacing the existing key card access system with new software and hardware, migrating the card holder database, and training system users. Based on OFM guidance, Ecology is requesting this work in the 2019-21 Operating Budget and it includes camera security features that will integrate with the card access system. Ecology has recently made security upgrades at the Lacey HQ that include access controls on doors adjacent to public areas of the building. Additional improvements need to be made at Lacey HQ and other Ecology facilities statewide to ensure the safety of staff and visitors.
- The 2017-19 Plan included \$900,000 for "Interior Lights and Re-lamping" at Ecology's HQ, to be completed in 2019-21. This project is currently underway and is scheduled to be completed by the end of the year. A combination of fund sources was used for this project, including COP financing, grant funding from the Department of Commerce, and Operating Budget funds.
- The 2017-19 Plan included \$1.8 million for "Update copy, recycle, and break rooms" at Ecology's HQ to be completed in 2019-21. This project has been scaled back and is now shown as "Upgrade service areas in open office environment" (\$600,000, scheduled for the 2021-23 Biennium).
- The 2017-19 Plan included \$700,000 for "cafeteria repair, finishes, and furnishings" at Ecology's HQ to be completed in 2019-21. This project has been scaled back and refined (to \$225,000, scheduled for the 2021-23 Biennium).
- The 2017-19 Plan included \$75,000 for an elevator study at Ecology's HQ. This project has been temporarily deferred for other priorities—if Ecology completes this project in 2019-21, the costs will be covered by its Operating Budget or included in the "Elevator upgrades/renovation" item shown for HQ in 2021-23.
- The 2017-19 Plan included \$800,000 for "Atrium preservation, painting, and finishes" planned for 2019-21. Ecology has decided to defer these activities to 2021-23 to address other more urgent priorities.
- 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).

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

2019-21 Biennium				
Facility	Project	Estimated Cost	Fund Source	Priority
Lacey HQ	Parking garage preservation	\$1,600,000	Capital Budget	1
	Roof replacement	\$3,089,000	Capital Budget	2
	Building envelope repairs	\$1,000,000	Capital Budget	5
	Facility preservation projects- HVAC	\$250,000	Capital Budget	6
Eastern Regional Office	Improvements and Stormwater Treatment	\$1,966,000	Capital Budget	3
Statewide	Ecology Security Upgrades	\$1,500,000	Operating Budget	4
2021-23 Biennium				
Facility	Project	Estimated Cost	Fund Source	Priority
Lacey HQ	Convert data center to office space	\$200,000	TBD	TBD
	Phase I system furniture replacement	\$2,750,000	TBD	TBD
	Elevator upgrades/renovation	\$2,000,000	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
	Cafeteria updates to end-of-life materials, hardware, appliances, flooring, and infrastructure	\$225,000	TBD	TBD
Statewide	EV charging stations	TBD	TBD	TBD

2023-25 Biennium				
Facility	Project	Estimated Cost	Fund Source	Priority
Lacey HQ	Phase II 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
2025-27 Biennium				
Facility	Project	Estimated Cost	Fund Source	Priority
ERO	Elevator renovation	\$70,000	TBD	TBD
2027-29 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
2019-2029 Capital Budget**

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 9:54AM

Project Number: 40000148

Project Title: Lacey HQ Roof Replacement

Description

Starting Fiscal Year: 2020

Project Class: Preservation

Agency Priority: 17

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**What is the proposed project?****Lacey HQ Roof Replacement - \$3,089,000**

The roof of Ecology's HQ facility was inspected by engineering consultants Weatherholt and Associates with their final report delivered in September 2013. The report identified a total roof area of 106,639 square feet with an estimated construction cost of \$17 to \$19 per square foot, or total construction cost between \$1.81 million and \$2.03 million. The roof evaluation demonstrated the building's roof is showing signs of aging and met its useful life expectancy in 2013. Problems identified in the evaluation include adhesive failure at lap seams, blistering, and deteriorated sealants; all problems that typically accelerate with age. Facility managers have observed rainwater leaking through the existing roof membrane. This problem was made worse by the recent major overhaul of the building's HVAC system. Because the majority of the HVAC mechanical components are situated on the facility's roof, the area was under construction for an extended time period, and some resulting damage was unavoidable.

Replacing the roof will include replacing the current black EPMD (ethylene propylene diene terpolymer, a synthetic rubber roof membrane) with a white PCV membrane that reflects more light and reduces air conditioning needs. White roof membranes also decrease roof temperatures, which may extend the life of the roof. This will contribute to energy savings and ensure the facility can continue to provide a safe, well-maintained, and efficient operating base for Ecology's administration and environmental programs.

What opportunity or problem is driving this request?

The current roof at Ecology's Lacey HQ facility is in poor condition. Leaks occur regularly and have caused damage to the office environment and agency equipment. Rainy weather is frequent year-round at this location, and emergency fixes can be disruptive and costly. Since 2006, Ecology has spent \$259,076 on repairs in response to leaks, with more than \$150,000 spent since 2012. Completing this project will help address needs on Ecology's deferred maintenance backlog. With proper maintenance, the new roof should provide Ecology's Lacey HQ facility with an efficient and effective cover for the next 20 years or more.

What are the specific benefits of this project?

This request will provide a new, energy efficient roof for Ecology's Lacey HQ facility. The HQ facility is Ecology's home base, providing office space and infrastructure for more than 900 employees and other state and federal agency tenants. This building is also an important link to the community and Ecology's stakeholders, who come here for information on Ecology's environmental programs and to do business with us. This includes environmental permit approvals, public meetings, and projects and policy initiatives that also involve local and federal government agencies. This request is an investment in Ecology's important environmental work and an investment in the community.

The roof replacement project is expected to take one year to complete including contract development, engineering, and construction.

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

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 9:54AM

Project Number: 40000148

Project Title: Lacey HQ Roof Replacement

Description

of Financial Management estimates.

What are the effects of non-funding?

If this project is not funded, the Lacey HQ facility would be at risk from degradation. Frequent leaks could cause additional damage and disrupt business operations, resulting in negative impacts to employees, building tenants, and visitors. If the roof replacement project is not funded, costs for leak repairs would continue to increase, and preventative maintenance measures would be less effective.

Why is this the best option or alternative?

There are no feasible alternatives to this project. Repairs and maintenance have extended the life of the roof by five years beyond its useful life expectancy. Costs for leak repairs are escalating, and predictive maintenance is no longer cost-effective nor effective due to the extent of deterioration of the membrane itself and adhesive failures.

The condition of the Ecology HQ roof will continue to deteriorate, even if leaks are fixed one at a time. Putting off this critical project would create the need for more frequent and costly repairs in the future, and could result in additional damage to the Lacey HQ facility and agency equipment.

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 citizens, 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. If bond funding is not received, Ecology would consider pursuing long-term financing to fund the work, but it would be at the expense of dedicated funding for core environmental and public health priorities.

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 goal to Deliver Efficient and Effective Services, because keeping Ecology facilities in good condition is critical to providing a safe and efficient operating base for Ecology's programs, administration, and public visitors.

This request is a high priority on Ecology's risk register, and will allow Ecology to comply with Executive Order 16-06 – State Agency Enterprise Risk Managements. Employee, tenant and public safety in the building is very important, and this funding will address this risk area and reduce future costs for the state. It supports the risk management and operation support services objectives in Ecology's strategic plan 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 supports the Governor's Executive Order 18-01 (State Efficiency & Environmental Performance) by replacing the current roof with an energy-efficient white roof membrane that will reduce cooling needs.

Capital Project Request

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Report Number: CBS002

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Project Number: 40000148

Project Title: Lacey HQ Roof Replacement

Description

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. The Lacey HQ facility provides a safe and efficient operating base for Ecology environmental programs and administration, and houses partner agencies like the Washington Conservation Commission, the federal Environmental Protection Agency, and the Pollution Liability Insurance Agency. Maintaining the facility in good condition will benefit these agencies directly.

What is the impact on the state operating budget?

None.

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	3,089,000				3,089,000
	Total	3,089,000	0	0	0	3,089,000
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State	0	0	0	0	
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

STATE OF WASHINGTON
AGENCY / INSTITUTION PROJECT COST SUMMARY

Agency	Ecology	
Project Name	Lacey HQ Roof Replacement	
OFM Project Number	40000148	

Contact Information		
Name	Fran Huntington	
Phone Number	360-407-7028	
Email	fhun461@ecy.wa.gov	

Statistics			
Gross Square Feet	89,063	MACC per Square Foot	\$22
Usable Square Feet		Escalated MACC per Square Foot	\$28
Space Efficiency	0.0%	A/E Fee Class	B
Construction Type	Office buildings	A/E Fee Percentage	12.60%
Remodel	Yes	Projected Life of Asset (Years)	

Additional Project Details			
Alternative Public Works Project		Art Requirement Applies	No
Inflation Rate	3.12%	Higher Ed Institution	
Sales Tax Rate %		Location Used for Tax Rate	
Contingency Rate	10%		
Base Month	July-13		
Project Administered By	DES		

Schedule			
Predesign Start	July-13	Predesign End	September-13
Design Start	July-19	Design End	December-19
Construction Start	May-20	Construction End	October-20
Construction Duration	5 Months		

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Project Cost Estimate			
Total Project	\$2,504,920	Total Project Escalated	\$3,088,586
		Rounded Escalated Total	\$3,089,000

STATE OF WASHINGTON
AGENCY / INSTITUTION PROJECT COST SUMMARY

Agency	Ecology	
Project Name	Lacey HQ Roof Replacement	
OFM Project Number	40000148	

Cost Estimate Summary

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

Consultant Services			
Predesign Services	\$0		
A/E Basic Design Services	\$191,268		
Extra Services	\$0		
Other Services	\$85,932		
Design Services Contingency	\$27,720		
Consultant Services Subtotal	\$304,920	Consultant Services Subtotal Escalated	\$372,626

Construction			
Construction Contingencies	\$200,000	Construction Contingencies Escalated	\$248,360
Maximum Allowable Construction Cost (MACC)	\$2,000,000	Maximum Allowable Construction Cost (MACC) Escalated	\$2,467,600
Sales Tax	\$0	Sales Tax Escalated	\$0
Construction Subtotal	\$2,200,000	Construction Subtotal Escalated	\$2,715,960

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	\$0	Project Administration Subtotal Escalated	\$0

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

Project Cost Estimate			
Total Project	\$2,504,920	Total Project Escalated	\$3,088,586
		Rounded Escalated Total	\$3,089,000

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 9:42AM

Project Number: 40000145

Project Title: Lacey HQ Parking Garage Preservation

Description

Starting Fiscal Year: 2020

Project Class: Preservation

Agency Priority: 18

Project Summary

Ecology's Lacey Headquarters (HQ) facility is more than 25 years old and several components of the building are nearing end of life or otherwise in need of major repair or renovation. Regular maintenance and periodic repair is required to keep this facility in good working condition, and to ensure building operations are safe and efficient. The specific HQ projects included in budget proposals for the 2019-21 Biennium address critical needs that cannot be deferred to a later time, including this proposal to preserve the facility's deteriorating parking garage. 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.

Project Description**What is the proposed project?****HQ Parking Garage Preservation-- \$1,600,000**

The parking garage at the Lacey HQ facility 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. Specific problems identified by a 2013 *Parking Deck Condition Evaluation* completed by engineering consultants Weatherholt and Associates include deterioration of concrete surfaces, exposed wire mesh on driving and parking surfaces, degraded joints, and cracking of concrete slabs and columns. Water intrusion has contributed to accelerated degradation of the parking structure and has caused damage to vehicles parked on lower levels. The 2013 evaluation provides specific recommendations and cost estimates that were used as a basis for this proposal; this project is expected to take six months to complete. It will preserve the condition of the Lacey HQ parking garage and help avoid major repairs. If this project is delayed, further deterioration is likely and repairs will be more costly.

What opportunity or problem is driving this request?

The parking garage at the Lacey HQ facility is in poor condition. Deteriorated surfaces regularly drop pieces of concrete on vehicles and parking surfaces. Water intrusion around the concrete leaches minerals, iron, and other solids that drip onto vehicles and cause damage to surfaces. As the photos in Attachment A demonstrate, continued deterioration of the top deck parking surface has resulted in substantial leakage through lower levels and is causing cracking of structural members. The continued leakage is weakening the structure and has caused substantial corrosion of the fire suppression system. The agency had to replace piping and associated components of the system to maintain system integrity and fire sprinkler operability. Exposed wire mesh on driving and parking surfaces puts agency and employee vehicles at risk of damage. Degraded and cracked concrete slabs and columns indicate the garage could become structurally unsound, which would require Ecology to find parking for about 500 vehicles if the facility were red tagged. 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, helping to avoid more costly repairs in future biennia.

What are the specific benefits of this project?

This investment will fund badly needed repairs to the parking garage at the Lacey HQ facility. The Lacey HQ facility is Ecology's home base, providing office space and infrastructure for more than 900 employees and other state and federal agency tenants. The garage provides parking for many of these employees and for 76 fleet vehicles. This project addresses critical needs that could cause adverse conditions, safety risks, or more expensive repairs in future biennia if the project is scaled or delayed. Preserving the condition of this structure will provide employees and Ecology's fleet with a safe, secure parking environment to support agency business operations.

This project will also provide economic benefits to the state by creating up to 9 jobs during the next two years based on Office of Financial Management estimates.

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 9:42AM

Project Number: 40000145

Project Title: Lacey HQ Parking Garage Preservation

Description**What are the effects of non-funding?**

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

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 Evaluation* completed in 2013 will get worse over time, and other deterioration is likely. Putting off these critical repairs would create the need for more extensive and costly repairs in the future, and could compromise the safety of this parking structure.

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 citizens, 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. If bond funding is not received, Ecology would consider pursuing long-term financing to fund the work, but it would be at the expense of dedicated funding for core environmental and public health priorities.

Are FTEs required to support this project?

No.

How does the project support the agency and statewide results?

This project is essential to implementing Ecology's strategic goal to Deliver Efficient and Effective Services because keeping Ecology facilities in good condition is critical to providing a safe and efficient operating base for Ecology's programs, administration, and public visitors.

This request is a high priority on Ecology's risk register, and will allow Ecology to comply with Executive Order 16-06 – State Agency Enterprise Risk Managements. It supports the risk management and operation support services objectives in Ecology's strategic plan 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. The Lacey HQ facility 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, the federal Environmental Protection Agency (EPA), and the Pollution Liability Insurance Agency. Maintaining the HQ facility in good

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 9:42AM

Project Number: 40000145

Project Title: Lacey HQ Parking Garage Preservation

Description

condition will benefit these agencies directly.

What is the impact on the state operating budget?

None.

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	1,600,000				1,600,000
	Total	1,600,000	0	0	0	1,600,000
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

[40000145 Lacey HQ Parking Garage Preservation](#)

HQ Garage Parking - Photos of Damage and Continuing Structural Deterioration



Photo 1: Water seeping through the concrete upper parking deck washing the minerals out of the structural concrete elements weakening the overall structure.



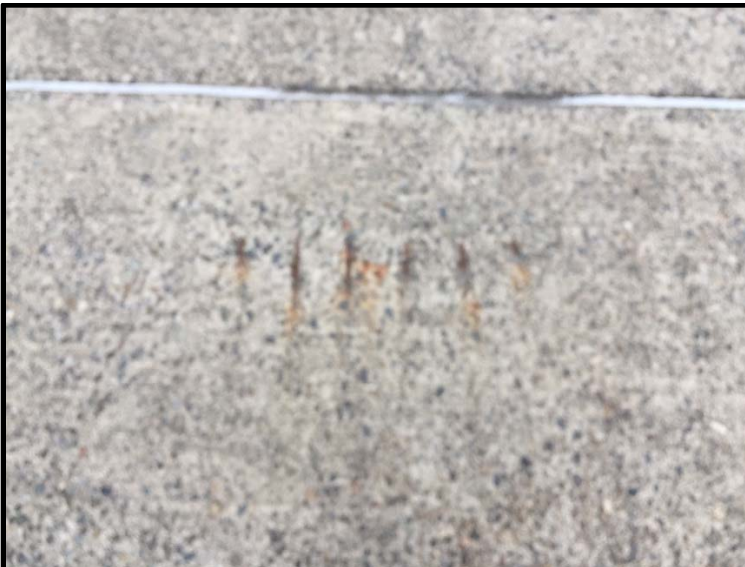
Photo 2: The bright colored pipe is part of the fire sprinkler system and was replaced recently due to corrosion from the leaks. Also cracks in the structural elements of the garage are forming and growing due to the water intrusion.



Photo 3: Cracks forming in the structural members of the top parking deck. Continued water intrusion causes the cracks to grow weakening the structure and will eventually cause failure of the structure.



Photo 4: Joints between precast structural members showing water intrusion. Continued intrusion will cause failure of the joint.



Photos 5 - 7: Reinforcing steel protruding through the top surface of the parking deck causing corrosion and weakening of the top concrete layer of the parking deck structure.

STATE OF WASHINGTON
AGENCY / INSTITUTION PROJECT COST SUMMARY

Agency	Ecology	
Project Name	Lacey HQ Parking Garage Preservation	
OFM Project Number	40000145	

Contact Information

Name	Fran Huntington	
Phone Number	360-407-7028	
Email	fhun461@ecy.wa.gov	

Statistics

Gross Square Feet	47,446	MACC per Square Foot	\$20
Usable Square Feet	N/A	Escalated MACC per Square Foot	\$25
Space Efficiency		A/E Fee Class	C
Construction Type	Parking structures and g	A/E Fee Percentage	11.80%
Remodel	Yes	Projected Life of Asset (Years)	

Additional Project Details

Alternative Public Works Project		Art Requirement Applies	No
Inflation Rate	3.12%	Higher Ed Institution	
Sales Tax Rate %	8.90%	Location Used for Tax Rate	Lacey
Contingency Rate	10%		
Base Month	September-13		
Project Administered By	DES		

Schedule

Predesign Start	March-13	Predesign End	September-13
Design Start	July-19	Design End	December-19
Construction Start	July-20	Construction End	October-20
Construction Duration	3 Months		

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Project Cost Estimate

Total Project	\$1,294,561	Total Project Escalated	\$1,600,228
		Rounded Escalated Total	\$1,600,000

STATE OF WASHINGTON
AGENCY / INSTITUTION PROJECT COST SUMMARY

Agency	Ecology	
Project Name	Lacey HQ Parking Garage Preservation	
OFM Project Number	40000145	

Cost Estimate Summary

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

Consultant Services			
Predesign Services	\$0		
A/E Basic Design Services	\$86,481		
Extra Services	\$0		
Other Services	\$38,854		
Design Services Contingency	\$12,533		
Consultant Services Subtotal	\$137,868	Consultant Services Subtotal Escalated	\$167,768

Construction			
Construction Contingencies	\$96,560	Construction Contingencies Escalated	\$119,590
Maximum Allowable Construction Cost (MACC)	\$965,600	Maximum Allowable Construction Cost (MACC) Escalated	\$1,195,800
Sales Tax	\$94,532	Sales Tax Escalated	\$117,070
Construction Subtotal	\$1,156,692	Construction Subtotal Escalated	\$1,432,460

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	\$0	Project Administration Subtotal Escalated	\$0

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

Project Cost Estimate			
Total Project	\$1,294,561	Total Project Escalated	\$1,600,228
		Rounded Escalated Total	\$1,600,000

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 9:56AM

Project Number: 40000150

Project Title: Lacey HQ Building Envelope Repairs

Description

Starting Fiscal Year: 2020

Project Class: Preservation

Agency Priority: 27

Project Summary

Exterior cladding surfaces at Ecology's Lacey HQ facility are predominantly precast concrete, metal panels, and cast-in-place concrete made watertight by joining the components with sealant joints that require major replacement work to preserve the condition of the building envelope. Materials used to seal these concrete and metal panels, and the concrete on the building's exterior have exceeded their life expectancy, compromising the integrity of the building envelope and are in need of replacement. Sealant materials on the south side of the facility were replaced in 2016. This request for \$1,000,000 will replace failed sealant materials on exterior surfaces on the building's north side, and complete this activity for the entire building. (State Building Construction Account)

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

Ecology's Lacey HQ facility is now 25 years old and requires building envelope repairs to maintain its integrity and resistance to air, water, heat, and light. These measures are critical in preventing water and air penetration that destroy the building. Southern exterior surfaces were repaired in 2016 by cleaning and replacing all joints and sealant materials. The repairs completed in 2016 revealed failed joint seals, separation between concrete panels, and deterioration so bad that the building is no longer protected from moisture and air infiltration. It is critical that Ecology complete these repairs on the remaining exterior concrete surfaces along the north side of the building. This request for \$1,000,000 will ensure the building does not further degrade, which could lead to more costly repairs in the future. This project is expected to take eight months to complete.

What opportunity or problem is driving this request?

Some of the exterior concrete surfaces at Ecology's Lacey HQ facility were repaired in 2016. During the course of this work, facility managers discovered more failures and deficiencies than were expected. As a result, more extensive repairs were needed, and replacement and maintenance activities were limited to the south side of the facility. Concrete surfaces on the north side are also in poor condition. There are 16,900 lineal feet (3.2 miles) of sealant joints and 61,550 square feet of concrete panels that need repairing to restore the building envelope integrity and protect critical structural components. Completing this project will mitigate further degradation and more extensive and costly repairs down the road. It will also address potential environmental health and safety issues related to water penetration into occupied structures, and address work on Ecology's deferred maintenance backlog.

In April 2016, Ecology hired Wetherholt and Associates Inc. and KMB Architects to perform an evaluation of the exterior envelope of the Lacey HQ facility and adjacent parking structure. Their work included identifying the scope and probable construction costs to clean, seal and repair the pre-cast and cast-in-place elements of the exterior envelopes for both structures. The final report identified a number of deficiencies requiring attention including adhesive and cohesive failure of sealing joints allowing water to enter inner building envelop wall and interior spaces. The cost projection for repairs in 2016 was \$721,000. The project value was adjusted to \$1,000,000 as a result of additional repairs identified since then, and increased cost projections from 2016 dollars.

What are the specific benefits of this project?

This investment will complete repairs to the exterior of the facility and ensure integrity of the envelope to provide adequate protection to critical facility systems and maintain structural integrity. This facility is Ecology's headquarters office and provides office space and infrastructure for more than 900 employees, and other state and federal agency tenants in the building. It is also an important link to the community and Ecology's stakeholders, who come here for information on Ecology's environmental programs and to do business with us. This includes environmental permit approvals, public meetings, and projects and policy initiatives that also involve local and federal government agencies. This request is an investment in Ecology's important environmental work and an investment in the community.

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 9:56AM

Project Number: 40000150

Project Title: Lacey HQ Building Envelope Repairs

Description

This request will also provide economic benefits to the state by creating up to 28 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 Lacey HQ facility would be at risk from further degradation, and frequent water intrusion that could cause damage and disrupt agency business operations, resulting in negative impacts to employees, building tenants, and visitors.

Why is this the best option or alternative?

This request is needed to preserve the condition of the Lacey HQ facility. There are no feasible alternatives, and this work has already been delayed. Further delays are likely to increase costs and cause adverse impacts to Ecology business operations. The Lacey HQ facility provides an operating base for Ecology's environmental programs, administration and other tenants; keeping this facility in good working condition supports the entire agency.

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

Funding this request will allow Ecology to continue providing uninterrupted services to stakeholders, including citizens, businesses, and government partners. If this request is not funded, Ecology's services could be impacted negatively as the condition of the Lacey HQ facility continues to degrade.

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

The preferred funding for this project is State Building Construction Account.

Are FTEs required to support this project?

No.

How does the project support the agency and statewide results?

This project is essential to implementing Ecology's strategic goal to Deliver Efficient and Effective Services because keeping Ecology facilities in good condition is critical to providing a safe and efficient operating base for Ecology's programs, administration, and public visitors.

This request is a medium priority on Ecology's risk register, and will allow Ecology to comply with Executive Order 16-06 – State Agency Enterprise Risk Managements. It supports the risk management and operation support services objectives in Ecology's strategic plan to maintain headquarters, regional, and field offices that support staff in meeting current business needs, and to monitor environmental performance of facilities.

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. Facility maintenance and planning at Ecology is an ongoing effort working closely with the Office of Financial Management, Department of Enterprise Services Engineering and Architectural Services, internal stakeholders, and tenants to plan and fund facility projects.

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. The Lacey HQ facility 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, the federal Environmental Protection Agency (EPA), and the Pollution Liability Insurance Agency. Maintaining the Lacey facility in good

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 Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 9:56AM

Project Number: 40000150

Project Title: Lacey HQ Building Envelope Repairs

Description

condition will benefit these agencies directly.

What is the impact on the state operating budget?

None.

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		2019-21 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
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State	0	0	0	0	
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:34AM

Project Number: 40000193

Project Title: Zosel Dam Preservation

Description

Starting Fiscal Year: 2020

Project Class: Preservation

Agency Priority: 29

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 resources 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 and Local Improvements Revolving Account (Water Supply Facilities))

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

This request will implement needed operations and maintenance (O&M) activities at the Zosel Dam facility to ensure proper operation of the dam, conformance with international agreement and its long-term care and preservation. Zosel dam was completed in 1987 for the primary purpose of maintaining lake levels as well as providing recreational opportunity and irrigation water on both the Canadian and United States sides of the border. Four elements are included in this request:

1. Structural Integrity and Operational Assessment – Zosel Dam needs a complete structural assessment from a professional engineering services consultant. There has not been a complete above and below waterline structural assessment since the Dam opened in 1987. The assessment will be for the entire facility, both above and below water to determine the additional work needed to preserve or enhance the facility's structural integrity and operations. Ecology estimates \$100,000 for these services.
2. Facility Maintenance and Spare Parts – In 2013, Ecology used professional engineering services to complete a partial (above the water) assessment of the operation and maintenance needs of Zosel Dam. The study included a visual inspection that revealed the need for gate repairs, spare gate parts, splicing for cracked and spalling sections of concrete structures, treatment or replacement of corroded materials, and ongoing monitoring of the aging infrastructure. These problems can impair the daily operations at the facility, Ecology's ability to regulate water levels at the dam and compliance with the joint-orders of operation with the International Joint Commission (IJC). Ecology will make these repairs and modify the egress to gain access to the control room during 500 year flood events. Ecology estimates \$50,000 for these measures.
3. Channel Dredging – In February 2015, the control structures above Lake Osoyoos (the gates controlling flows out of Okanagan Lake in Canada) were opened to allow increased inflow into the Okanagan Lake reservoir. Typically, the gates at the dam are operated to maintain water surface elevations in Lake Osoyoos within an optimal range. During this significant high-flow event, the water surface levels in Lake Osoyoos still rose, even with all four gates completely open. Ecology did a visual survey of the channel upstream of the dam, and concluded that Tonasket Creek had discharged a debris flow into the forebay channel at its confluence with the creek, possibly constricting flow in the forebay channel to the dam. This portion of the request will provide \$50,000 for dam forebay dredging and debris removal.
4. East Abutment Riprap – Ecology is concerned that during large floods, the east (left bank) abutment wall could be overtopped, allowing flow over the abutment itself. Because the upper layer on the east abutment is fill, it may not withstand the flow velocities and depths in this type of situation. Ecology recommends calculating design flow velocities and depths for the 500-year storm event to determine impacts on the east abutment. If necessary, riprap could be placed on the east abutment to better resist erosive forces. Ecology estimates \$17,000 will be needed to secure the east abutment structure.

What opportunity or problem is driving this request?

Ecology is responsible for operating the facility to manage lake levels according to an international agreement. If the facility is not able to operate at expected standards, lake levels could drop or fluctuate outside agreed orders of operation set by the IJC.

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:34AM

Project Number: 40000193

Project Title: Zosel Dam Preservation

Description

If the lake operates outside of agreed upon levels, landowners would likely experience property damage due to high (flood) water conditions that includes erosion of beach, damage to bulkheads or docks, flooding of structures, and/or low water conditions that causes damage to docks, watercraft, and aquatic habitat in addition to limiting access. As the owner of the facility responsible for managing lake levels, Ecology and the state could be liable for damages caused by the state's operating approach.

During prior flood events (2011, 2016, 2017, and 2018), damage to the dam control structure and log boom has occurred including misalignment of the screw mechanism in the gates, gear housing damage, and electrical box control system flooding. Due to the age of the structure, the availability of spare parts is limited, which inhibits the ability to make timely repairs when something goes wrong. Additionally, the long-term costs of deferred maintenance are usually much greater than implementing a regular and consistent operations and maintenance (O&M) plan.

Right now, Ecology has no base funding dedicated to this facility. Ecology currently funds emergency repairs through emergency funding requests to the Governor (log boom in 2011) and through diverting limited program contingency funds from vacancy savings or putting off other core water resources work. Ecology requires funding to operate and maintain the Zosel Dam facility. This request will use the balance from Fund 072 to conduct the structural integrity assessment and meet immediate working needs and repairs for Zosel Dam. Once that funding is expired and the Structural Assessment is completed, Ecology will request ongoing operating funding for Zosel Dam O&M.

What are the specific benefits of this project?

This request will fund necessary preservation projects and a structural evaluation of the Zosel Dam facility. The assessment is needed to evaluate the overall integrity of the structure and to identify any deficiencies. Ongoing repairs and maintenance are required to keep the facility functioning effectively to manage lake levels in accordance with the international agreement. Funding this request will allow Ecology to have on hand the spare parts required for repairs that either need to be specially manufactured or obtained overseas from Great Britain. This will ensure proper operation of lake levels and help prevent catastrophic damage to both the facility and landowners.

What are the effects of non-funding?

Ecology owns and operates Zosel Dam under the authority of RCW 43.21A.450. Ecology is legally responsible for operation and maintenance of the dam as governed by federal law, Washington State law, and the 1909 Boundary Waters Treaty (Canada-United States of America). Ecology is responsible to operate the dam to manage lake levels according to the international agreement.

Without funding, needed repairs would not be made. Allowing the facility to fall into disrepair would impact operations at maintaining lake levels and downstream water management. If the agency cannot operate the facility at expected standards, lake levels could drop or fluctuate outside agreed orders of operation set by the IJC, and could result in damage and liability to the state. The long-term costs of deferring maintenance are usually much greater than implementing a regular and consistent O&M plan.

Why is this the best option or alternative?

Ecology owns this facility and is required to maintain effective operations under an international agreement with Canada. Providing funding to carry out needed repairs and O&M is the best alternative to reduce the risk related to dam operations.

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

This project will improve the structural integrity of the dam and maintain existing operations of the facility, allowing Ecology to meet ongoing operation agreements with Canada. It will help maintain positive relationships with our Canadian partners in managing Lake Osoyoos and upper Columbia Basin water supply.

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:34AM

Project Number: 40000193

Project Title: Zosel Dam Preservation

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

Ecology requests appropriation from the existing fund balance in the State and Local Improvements Revolving Account (Water Supply Facilities Account) to preserve and maintain the facility in the 2019-21 Biennium. Ecology is requesting funds in the capital budget since this is a capital asset and the work may take place over two biennia.

It is important to note that this request uses the existing cash balance from the State and Local Improvements Revolving Account and does not require issuing any long-term debt. Ecology anticipates using the remaining cash balance in this account, projected to be \$217,000 in 2019-21, until all funds are depleted. Ecology will request additional O&M funding and any other identified capital improvement needs based upon the structural integrity assessment in a future budget request as needed.

Are FTEs required to support this project?

No.

How does the project support the agency and statewide results?

This request is a medium priority on Ecology's risk register, and will allow Ecology to comply with Executive Order 16-06 – State Agency Enterprise Risk Managements. It supports the risk management and operation support services objectives in Ecology's strategic plan to monitor environmental performance of facilities and engage staff in targeted improvements that contribute to the sustainability of our operations.

This request is essential to implementing a priority in Ecology strategic plan to Develop Integrated Water Solutions by achieving adequate instream flows so that water is provided for communities in the Columbia River Basin.

This request is essential to support the Governor's priorities related to Economy and Agriculture by protecting and managing scarce resources.

This request will also strengthen long-term strategic relationships with agriculture, industrial, municipal, and tribal communities in Eastern Washington and internationally by maintaining and operating Zosel Dam to agreed-upon parameters so that lake levels are maintained and negative impacts avoided.

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

Other state programs will not be directly impacted. The portfolio of stakeholders with interests in preserving and properly operating the dam includes the Canadian Government, local landowners with property on or near the lake and the local irrigation district. Funding the project will help ensure proper operation of the facility, prevent damage to landowner properties, and maintain international relationships.

What is the impact on the state operating budget?

Ecology's 2019-21 carryforward operating budget of \$168,000 from Fund 072 supports about 0.5 FTE that provides Zosel Dam oversight and management, technical assistance, and stakeholder coordination for preservation projects, coordination with the IJC, and cooperation and communication with Canadian water managers. Fund 072 was established through Referendum 38 to provide grants and loans for water supply facilities for agricultural, fishery, recreational, or other beneficial uses of water. Once the fund balance from 072 is depleted, Ecology will need ongoing funding from another account to maintain Zosel Dam.

Proviso

N/A

Location

City: Oroville

County: Okanogan

Legislative District: 007

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 Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:34AM

Project Number: 40000193

Project Title: Zosel Dam Preservation

Description

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
072-1	Improv-Water Supply-State	217,000				217,000
	Total	217,000	0	0	0	217,000
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
072-1	Improv-Water Supply-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:40AM

Project Number: 40000207

Project Title: Lacey HQ Facility Preservation Project—Minor Works

Description

Starting Fiscal Year: 2020

Project Class: Preservation

Agency Priority: 30

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**What is the proposed project?**

The equipment in Ecology's data center is the only source of heat for the 60,000 sq. ft. basement of the Lacey HQ facility and, with the relocation of Ecology's data center to the State Data Center, the heat source must be replaced. Preliminary work with the mechanical engineers indicates that piping hot water from the second floor boilers will be the most cost effective and energy efficient way to add heat to the basement. This project must be completed prior to the data center equipment removal and is anticipated to take four months to complete.

What opportunity or problem is driving this request?

Ecology is required by RCW 43.105.375 and OCIO Policy 184 to migrate out of its agency data center within the 2019-21 Biennium. The equipment in Ecology's data center is the only source of heat for the 60,000 sq. ft. basement of the Lacey HQ facility and it must be replaced with another heat source. The basement environment provides work spaces and laboratory environments for 24 full-time agency employees and support contractors, in addition to the main auditorium with a seating capacity of 329 and the computer training facility with a capacity of 20 work areas. Without HVAC system modification, the basement areas of the facility will not warm to appropriate environmental conditions for occupancy.

What are the specific benefits of this project?

Completing this project will replace the heat source lost through moving Ecology's data center so that Ecology can continue to use the Lacey HQ facility without interruption.

What are the effects of non-funding?

If this project is not funded, the Lacey HQ facility would lose the heat load from the computer server room when the equipment is removed. Without a heat source in this part of the facility, the HVAC system would not be able to meet space temperature needs, resulting in unreasonably low temperatures that would impact the 24 staff who work in the area, and other staff or visitors who use the auditorium and computer training spaces for meetings and events. Laboratory environmental temperatures would also be below normal occupied temperatures for working conditions.

Why is this the best option or alternative?

Ecology looked at alternatives for each of the basement areas and the option chosen is the most efficient and cost effective approach to address heating issues in the basement.

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

If Ecology does not address the lost heating load, the currently occupied areas in the basement, and the auditorium and computer training rooms would be too cold to use. Funding this request will allow Ecology to maintain full use of the Lacey HQ basement areas.

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

Ecology is requesting State Building Construction Account funding for this work. Ecology worked with McKinstry mechanical

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Report Number: CBS002

Date Run: 9/10/2018 10:40AM

Project Number: 40000207

Project Title: Lacey HQ Facility Preservation Project—Minor Works

Description

engineering to develop the cost estimate in this request. McKinstry engineers are intimately familiar with the mechanical, electrical and HVAC systems at Lacey HQ facility, and have provided years of assistance addressing building system maintenance and related retrofits. McKinstry has recommended the most cost effective solution is capturing heat from a second floor hot water boiler and piping that heat source to the basement area HVAC system.

Are FTEs required to support this project?

No.

How does the project support the agency and statewide results?

This project is essential to implementing Ecology’s strategic goal to Deliver Efficient and Effective Services because keeping Ecology facilities in good condition is critical to providing a safe and efficient operating base for Ecology’s programs, administration, and public visitors.

This request is a medium priority on Ecology’s risk register, and will allow Ecology to comply with Executive Order 16-06 – State Agency Enterprise Risk Managements. It supports the risk management and operation support services objectives in Ecology’s strategic plan 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.

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. The Lacey HQ facility 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, the federal Environmental Protection Agency, and the Pollution Liability Insurance Agency. Maintaining the facility in good condition will benefit these agencies directly.

What is the impact on the state operating budget?

None.

Proviso

N/A

Location

City: Lacey

County: Thurston

Legislative District: 022

Project Type

Facility Preservation (Minor Works)

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Capital Project Request

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*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:40AM

Project Number: 40000207

Project Title: Lacey HQ Facility Preservation Project—Minor Works

Description

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 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
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 3:09PM

Project Number: 30000713

Project Title: Lacey Headquarters Facility Preservation Projects

Description

Starting Fiscal Year: 2018
 Project Class: Preservation
 Agency Priority: 92

Project Summary

Ecology requests this reappropriation to complete the following activities: 1. Improve the condition of asphalt surfaces on access roads and parking areas and adjacent stormwater infrastructure. This work will begin in Spring of Fiscal Year 2019 and may carry over into the 2019-21 Biennium, depending on weather conditions. 2. Replace failing HVAC fan motor components in the first half of Fiscal Year 2019. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

Location

City: Lacey

County: Thurston

Legislative District: 022

Project Type

Facility Preservation (Minor Works)
 Remodel/Renovate/Modernize (Major Projects)

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	635,000			635,000	
	Total	635,000	0	0	635,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 9:50AM

Project Number: 30000282

Project Title: Padilla Bay Federal Capital Projects

Description

Starting Fiscal Year: 2012
 Project Class: Preservation
 Agency Priority: 93

Project Summary

Ecology requests reappropriation authority for an annual national competitive grant program through the National Oceanic and Atmospheric Administration's Estuarine Reserve Division that funds facility construction, remodeling, and property acquisition at the Padilla Bay Estuarine Reserve. Ecology's Padilla Bay Estuarine Reserve is eligible to apply for a 70 percent federal grant with a 30 percent match required for the awards to be obtained from donations, in-kind contributions, and other non-state sources. This funding was originally appropriated in the 2011-13 Biennium. (General Fund Federal)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

Location

City: Mount Vernon

County: Skagit

Legislative District: 040

Project Type

Facility Preservation (Minor Works)

Growth Management impacts

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
001-2	General Fund-Federal	800,000	135,000	59,000	606,000	
	Total	800,000	135,000	59,000	606,000	0
		Future Fiscal Periods				
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
001-2	General Fund-Federal					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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**Department of Ecology
2019-2029 Capital Budget**

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Capital Project Request
2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 4:29PM

Project Number: 3000741

Project Title: Eastern Regional Office Improvements and Stormwater Treatment

Description

Starting Fiscal Year: 2018

Project Class: Program

Agency Priority: 20

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

What is the proposed project?

Ecology is requesting reappropriation of the original funding for this project. In addition, Ecology is requesting \$1,966,000 to construct an annex facility to support ERO business operations. The amount needed is based on the attached Modified Pre-design cost estimate, using the updated Office of Financial Management's C100 form. The annex facility will have space for essential Ecology functions, like oil spill and hazmat response. It will improve Ecology's preparedness and ability to respond to spill incidents by providing efficient, easily-accessible space for equipment storage and staging. This request will support other agency programs in Eastern Washington by creating space for laboratory services and specialized equipment and providing for safe and secure storage of samples and hazardous materials. Many of these business needs have been located off-site in leased facilities, so consolidating on-site will provide considerable benefits in decreased spill response times, more efficient and secure storage, reduced travel times and vehicle emissions, and eliminating off-site lease costs.

Ecology has begun and expects to complete the following activities in the 2019-21 Biennium with the \$1.9 million provided in the 2018 Supplemental:

- Property acquisition- both properties were purchased in August 2018.
- Annex site preparation
- Parking surface renovation
- Install stormwater treatment and landscaping
- Prepare infrastructure for up to six dual electric vehicle charging stations.

Constructing the annex facility at ERO is the second part of the project to expand ERO and consolidate business operations as detailed in the approved / funded 2018 Supplemental request. This step is needed to complete the overall project and maximize the benefits of improved efficiency. If this request is funded, the new annex facility design and bid document development will begin in Fiscal Year 2020. Construction will take about seven months and will be finished by the end of Fiscal Year 2021.

IT-Related Costs

This request has IT-related costs to extend infrastructure services from the current ERO building to the new annex facility. IT project expenses are estimated at \$30,000 and support the extension of the ERO wireless system and hardwired ports to the new annex facility. Extending Ecology's key card access system, including wiring and required hardware, to the new annex is estimated at \$45,000. See attached IT Addendum.

What opportunity or problem is driving this request?

Ecology's ERO facility does not have enough space for all program functions. To cope with this problem, Ecology has been leasing space at properties scattered throughout Spokane. Consolidating agency activities on-site at Ecology's ERO will greatly improve efficiency.

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 4:29PM

Project Number: 30000741

Project Title: Eastern Regional Office Improvements and Stormwater Treatment

Description**What are the specific benefits of this project?**

This request will fund construction of an annex facility at ERO to provide space for field gear storage, a suitable environment for field sample preparation and analysis (laboratory services), secure chain-of-custody storage for laboratory samples, and storage space for spill response equipment and hazardous materials. These mission-critical activities are currently managed in multiple locations, with separate leases, around the Spokane area.

Consolidating these activities on-site at Ecology's ERO facility will improve efficiency and environmental and public safety and health, and save money. As an example, spill response equipment is currently stored at a leased facility approximately 30 minutes from ERO. Managing spill response equipment and operations on-site will reduce response time for hazmat incidents, reduce fuel use and vehicle emissions, and eliminate the cost associated with the leased facility. Rapid, aggressive, and well-coordinated response efforts reduce harm to people, the environment, the economy, and help protect cultural and historic resources from damage.

This request will also provide economic benefits to the state by creating up to 23 jobs during the next two years based on Office of Financial Management estimates.

What are the effects of non-funding?

The consequence of not funding this request would be for Ecology's business to remain hampered by lack of space and inefficient operations. This does have implications for Ecology's stakeholders. For example, when Ecology is notified of a hazardous materials spill incident, the spill response teams currently need to leave the ERO facility and drive to an off-site storage location to retrieve gear and equipment before responding. If they were able to eliminate this extra step by having spill response gear stored on-site at ERO, response times would decrease. This will allow Ecology to coordinate a more efficient and robust response and improve the level of service provided to stakeholders and the public. This is not insignificant; during Fiscal Year 2016, the spill response team at ERO responded to more than 230 incidents, including meth labs, chemical releases, and oil spills.

Why is this the best option or alternative?

There are no suitable alternatives to this project. Ecology received bond funding in the 2018 Supplemental Budget to purchase land parcels adjacent to the current ERO facility, so the effort to expand ERO and consolidate business operations on-site is well underway. The annex facility is needed to complete the overall project and reap the benefits of consolidating operations on-site.

Ecology has improved agency business operations efficiency by establishing similar on-site annex facilities at the Lacey headquarters facility, Central Regional Office in Union Gap, and at the Vancouver and Bellingham field offices.

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

Funding this request will allow Ecology to improve services to stakeholders, including citizens, businesses, and government partners.

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

Ecology is requesting State Building Construction Account funding consistent with how this project was funded in the 2018 Supplemental Budget. This request and construction of the annex is the next phase of this project as detailed in the 2018 Supplemental budget request.

Are FTEs required to support this project?

No.

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 4:29PM

Project Number: 30000741

Project Title: Eastern Regional Office Improvements and Stormwater Treatment

Description**How does the project support the agency and statewide results?**

This request is essential to implementing a priority in Ecology's strategic priority to Prevent and Reduce Toxic threats because it will allow spill responders in Eastern Washington to promptly respond to oil and hazardous materials spills so that impacts to public health and the environment are minimized.

This request is essential to implementing Ecology's strategic goal to Deliver Efficient and Effective Services because keeping Ecology facilities in good condition is critical to providing a safe and efficient operating base for Ecology's programs, administration, and public visitors.

This request is a medium priority on Ecology's risk register, and will allow Ecology to comply with Executive Order 16-06 – State Agency Enterprise Risk Managements. Having closer access and quicker responses to oil, gas and other hazardous spill will lower risk and help to minimize impacts to public health and the environment. It supports the risk management and operation support services objectives in Ecology's strategic plan 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 operations.
- Deliver shared services in an efficient and sustainable manner.

This request supports the Governor's Results Washington Goal 3: Sustainable Energy and a Clean Environment, because it is likely to be one of the first newly constructed state facilities to comply with Executive Order 18-01 (State Efficiency & Environmental Performance) by being constructed as a Net-Zero facility that produces as much energy as it consumes over the course of a year. The request incorporates necessary engineering and procurement of environmentally preferable products to be energy-neutral and achieve high environmental performance.

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

Consolidating operations on-site at ERO will bring considerable benefits to spill responders and other Ecology programs that have struggled with inefficient and geographically disparate storage locations.

Funding this request will have a positive effect on all of Ecology's programs and on other agencies and government units that work closely with the Ecology in Eastern Washington.

What is the impact on the state operating budget?

Once this annex facility is constructed, operating costs will be reduced by \$22,100 annually by eliminating multiple leases and utility services for ancillary space throughout Spokane.

Maintenance requirements are expected to be minimal for the first several years of operating the new annex facility, and utility costs are expected to be relatively low as a result of the Net-Zero construction. A Net-Zero energy building generates as much energy as it uses in a year.

Proviso

N/A

Location

City: Spokane

County: Spokane

Legislative District: 003

Project Type

Acquisition - Land

Remodel/Renovate/Modernize (Major Projects)

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 Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 4:29PM

Project Number: 30000741

Project Title: Eastern Regional Office Improvements and Stormwater Treatment

Description

Growth Management impacts

N/A

New Facility: No

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	3,886,000		33,000	1,887,000	1,966,000
	Total	3,886,000	0	33,000	1,887,000	1,966,000

		Future Fiscal Periods			
		2021-23	2023-25	2025-27	2027-29
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

STATE OF WASHINGTON
AGENCY / INSTITUTION PROJECT COST SUMMARY

Agency	Department of Ecology	
Project Name	Eastern Regional Office Annex Facility	
OFM Project Number		

Contact Information

Name	Fran Huntington	
Phone Number	360-407-7028	
Email	fhun461@ecy.wa.gov	

Statistics

Gross Square Feet	5,594	MACC per Square Foot	\$232
Usable Square Feet	5,074	Escalated MACC per Square Foot	\$262
Space Efficiency	90.7%	A/E Fee Class	C
Construction Type	Other Sch. C Projects	A/E Fee Percentage	8.59%
Remodel	No	Projected Life of Asset (Years)	50

Additional Project Details

Alternative Public Works Project	No	Art Requirement Applies	No
Inflation Rate	3.12%	Higher Ed Institution	No
Sales Tax Rate %	8.70%	Location Used for Tax Rate	City of Spokane
Contingency Rate	5%		
Base Month	July-16		
Project Administered By	DES		

Schedule

Predesign Start	June-16	Predesign End	July-16
Design Start	August-19	Design End	December-19
Construction Start	March-20	Construction End	October-20
Construction Duration	7 Months		

Green cells must be filled in by user

Project Cost Estimate

Total Project	\$1,745,855	Total Project Escalated	\$1,966,189
		Rounded Escalated Total	\$1,966,000

STATE OF WASHINGTON
AGENCY / INSTITUTION PROJECT COST SUMMARY

Agency	Department of Ecology	
Project Name	Eastern Regional Office Annex Facility	
OFM Project Number		

Cost Estimate Summary

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

Consultant Services			
Predesign Services	\$12,000		
A/E Basic Design Services	\$80,687		
Extra Services	\$77,000		
Other Services	\$51,251		
Design Services Contingency	\$11,047		
Consultant Services Subtotal	\$231,985	Consultant Services Subtotal Escalated	\$257,814

Construction			
Construction Contingencies	\$64,825	Construction Contingencies Escalated	\$73,214
Maximum Allowable Construction Cost (MACC)	\$1,296,500	Maximum Allowable Construction Cost (MACC) Escalated	\$1,463,001
Sales Tax	\$118,435	Sales Tax Escalated	\$133,651
Construction Subtotal	\$1,479,760	Construction Subtotal Escalated	\$1,669,866

Equipment			
Equipment	\$30,000		
Sales Tax	\$2,610		
Non-Taxable Items	\$0		
Equipment Subtotal	\$32,610	Equipment Subtotal Escalated	\$36,830

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

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

Other Costs			
Other Costs Subtotal	\$1,500	Other Costs Subtotal Escalated	\$1,679

Project Cost Estimate			
Total Project	\$1,745,855	Total Project Escalated	\$1,966,189
		Rounded Escalated Total	\$1,966,000

2019-21 IT ADDENDUM

ERO Annex Facility

Part 1: Itemized IT Costs

Please itemize all IT-related costs, including hardware, software, services (including cloud-based services), contracts (including professional services, quality assurance, and independent verification and validation), or IT staff. When itemizing costs, please consider the total cost of the combined level of effort which includes: the associated costs, from planning through closeout, of state, vendor, or both, in order to purchase, acquire, gather and document requirements, design, develop or configure, plan or conduct testing, and complete implementation of enhancement(s) to an existing system.

Information Technology Items in this DP <i>(insert rows as required)</i>	FY 2019	FY 2020	FY 2021
Switch			\$5,000
Wireless Hardware			\$2,000
Interior Wiring – <i>(Both IT and Card Key)</i>			\$5,000
Fiber Cable and Connection to Existing ERO			\$3,000
Installation / Labor			\$15,000
Total Cost	Enter Sum	Enter Sum	\$30,000

Part 2: Identifying IT Projects

If the investment proposed in the decision package is the development or acquisition of an IT project/system, or is an enhancement to or modification of an existing IT project/system, it will also be reviewed and ranked by the OCIO as required by RCW 43.88.092. The answers to the three questions below will help OFM and the OCIO determine whether this decision package is, or enhances/modifies, an IT project:

1. Does this decision package fund the development or acquisition of a new or enhanced software or hardware system or service? Yes No
2. Does this decision package fund the acquisition or enhancements of any agency data centers? (See OCIO [Policy 184](#) for definition.) Yes No
3. Does this decision package fund the continuation of a project that is, or will be, under OCIO oversight? (See OCIO [Policy 121](#).) Yes No

If you answered “yes” to any of the above questions, you must answer the questions in Part 3 to finish the IT Addendum. Refer to Chapter 10 of the operating budget instructions for more information and a link to resources and information about the evaluation criteria questions.

Part 3: IT Project Questions

Agency readiness/solution appropriateness

Organizational change management

1. Describe the types of organizational changes expected because of this effort. How has your agency considered these impacts in planning the project and within this funding request? Include specific examples regarding planned Organizational Change Management (OCM) activities and whether or how the requested funding will support these efforts.

No organizational changes are anticipated as a result of the IT portion of this project. This project supports establishing a fiber optic connection between the existing Ecology Eastern Regional Office (ERO) approximately 125 feet to a new Annex facility. The annex facility will house laboratory, chain-of-custody, spill response preparedness equipment and field gear.

Agency technology portfolio risk assessment

2. How does this project integrate into and/or improve the overall health of your agency's IT portfolio? Include specific examples such as system efficiencies, technology risks mitigated, technology improvements achieved, etc.

No changes, adding or lowering IT risks, are anticipated in this project.

Solution scale

3. Explain how this investment is scaled appropriately to solve the proposed business problem. Describe what considerations and decisions the agency has made to determine the sizing of this investment and why it is appropriate to solve the business problem outlined in the decision package.

The estimated project expense and scope was built upon Ecology's recent experiences in relocating its Central Regional Office, Vancouver and Bellingham Field Offices. Extending the IT infrastructure via fiber optic cable will replicate the current system in place at the Central Regional Office.

Resource availability

4. How has the agency determined the resources required for this effort to be successful? How does this funding request support that resourcing need? If the agency intends to use existing resources for this effort, how are risks around resource availability being addressed?

Ecology intends to use certified contractors for the infrastructure installation with oversight by agency staff. Traditional project management methodologies for resource planning will be used to mitigate the risk associated with resource availability.

Investment urgency

5. With regards to the urgency of this investment, please select **one** of the following that most closely describes the urgency of your investment, and **explain your reasoning**:

- This investment addresses a currently unmet, time sensitive legal mandate or addresses audit findings which require urgent action.

Reason:

- This investment addresses imminent failure of a mission critical or business essential system or infrastructure and will improve that issue.

Reason:

- This investment addresses an agency's backlog of technology systems and provides an opportunity for modernization or improvement.

Reason:

This investment will facilitate enhanced business operations for Ecology's Spill Response team members and other program staff.

- This investment provides an opportunity to improve services, but does not introduce new capability or address imminent risks.

Reason:

Architecture/Technology Strategy Alignment

Strategic alignment

6. Using specific examples, describe how this investment aligns with strategic elements of the Enterprise Technology Strategic Plan. Examples of strategic principles that tie back to tenets of the strategic plan include, but are not limited to: buy don't build, solutions hosted on modern hosting solutions, solutions promoting accessibility, early value delivery of functionality throughout the project, and modular implementation of project features.

This project extends the existing operations network for the agency's ERO approximately 125 feet to a new Annex support facility. The existing network is already strategically aligned and extending it as a result of this project will introduce no changes in strategic alignment.

Technical alignment

7. Using specific examples, describe how this investment aligns with technical elements of the Enterprise Technology Strategic Plan. Examples of technical principles that tie back to tenets of the strategic plan include, but are not limited to: data minimization, incorporating security principles into system design and implementation, publishing open data, and incorporating mobile solutions into systems.

Ecology's existing network is already technically aligned. This project extends the network to the new annex and will introduce no changes in technical alignment.

Governance processes

8. What governance processes does your agency have in place to support this project, or what new governance processes will be introduced to accommodate this effort? Examples of governance processes include executive sponsorship and steering, vendor/contract management, change control, quality assurance (QA), independent verification and validation (IV&V), and incorporating stakeholder feedback into decision making processes. Provide examples of how your proposed budget includes adequate funding and planning for governance processes, if applicable.

The Ecology executive sponsor for this project is the Administrative Services Director closely aligned with Ecology's Chief Information Officer. Project management of this project is anticipated through assigned internal agency IT Project Management. The installation contract will be managed by the Regional Facility Director who has extensive experience managing infrastructure contracts. Change control will be built into the contract.

Ecology has a well-established IT governance process:

- IT BAT – IT Business Advisory Team is a combination of IT and business representatives that establish the agency's business driven IT strategy.
- SAT – Strategic Architecture Team collaborates with the BAT to select technical opportunities to best meet business needs. Advises IT Leadership Team.

Ecology also has a well-established governance process for budget building that thoroughly vets IT budget requests and prioritizes them based on best value.

Interoperability, interfaces and reuse

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

This project will reuse the existing IT infrastructure and extend it from the ERO approximately 125 feet to a new Annex facility.

Business/Citizen Driven Technology

Measurable business outcomes

10. Describe how this proposed IT investment improves business outcomes within your agency? Provide specific examples of business outcomes in use within your agency, and how those outcomes will be improved as a result of this technology.

This proposal will construct an annex facility on-site at ERO with space for essential agency functions like oil spill and hazmat response. The annex facility will improve Ecology's preparedness and ability to respond to spill incidents by providing efficient, easily accessible space for equipment storage and staging. This proposal will support other agency programs in Eastern Washington by creating space for laboratory services and specialized equipment, and providing safe and secure storage for samples and hazardous materials. Many of these business needs have been located off-site in leased facilities, so consolidating on-site will provide considerable benefits in terms of decreased spill response times, more efficient and secure storage, reductions in travel times and vehicle emissions, and elimination of costs for off-site leases. The IT infrastructure connection to the adjacent ERO is integral to the business functionality of the new Annex facility.

Customer centered technology

11. Describe how this proposed investment improves customer experience. Include a description of the mechanism to receive and incorporate customer feedback. If the investment supports internal IT customers, how will agency users experience and interact with this investment? If

the customers are external (citizen), how will the citizen experience with your agency be improved as result of implementing this investment? Provide specific examples.

This project will have a positive effect on internal and external customers served from the ERO. The IT infrastructure connection between the existing ERO and the new Annex facility augments the efficiencies in operations gained by physical centralization of spill response and field operational to one adjacent facility. Response times are significantly reduced with equipment and personnel at the same site. Environmental damages from spills are reduced by earlier response times from one central location.

Business process transformation

12. Describe how this IT investment supports business processes in your agency. Include the degree of change anticipated to business processes and the expected improvements as a result of this technology. Describe how the business and technology will coordinate and communicate project tasks and activities. Provide specific examples of how business processes are related to this technology and expected improvements to business processes as a result of implementing this technology.

No business process changes are anticipated for extending the IT infrastructure service from one building to another.



State of Washington
MODIFIED PRE-DESIGN
 Last updated: August 2017

For Administrative Use:
 DES Project Number:

This form is to be completed for state agency, community college, board and commission requests for new leases, purchases, relocations or expansions. Complete all areas of this form as thoroughly as possible. For more information, see the modified pre-design instructions located at [OFM | Modified pre-design](#). To check spelling and grammar select CTRL-S.

SECTION ONE - PROJECT SUMMARY

CONTACT INFORMATION

Agency Name:	Agency Number: 461	Contact Person: Fran Huntington
Phone Number: 360-407-7028	E-Mail Address: fhun461@ecy.wa.gov	

REQUESTED PROJECT INFORMATION

Project Title (example: Relocation of Agency X Headquarters):
 Annex Facility Construction, Eastern Regional Office

Type of Action Requested: Obtain New Space Relocate Program Expand Existing Space Other

If other, specify: Construction of an annex facility onsite to support current outsourced (leased space) operations.

Primary Space Type: 730 Storage/Warehouses	Secondary Space Type: 270 Laboratory		
Type of Operation:	<input type="checkbox"/> Headquarters	<input checked="" type="checkbox"/> Regional	<input type="checkbox"/> Field <input type="checkbox"/> Other

If other, specify:

Location Requested (City/County): Spokane/Spokane	Estimated Rentable Square Feet: 5,600
Projected Annual Ongoing Cost: \$3,600	Estimated One-Time Cost: \$1,966,000
Requested Occupancy Date: 7/1/2021	Lease term in years: N/A (New Construction State Owned)

Is a cancellation clause necessary? Yes No

If the agency requires a cancellation clause, describe terms and reason for cancellation clause:

CURRENT SITE INFORMATION

Street Address	City	Square Feet	Lease Number	Lease End Date	Ownership/Lease Status
4601 North Monroe Street	Spokane	2,300			Agency Owned
3211 S Geiger Blvd	Spokane	2,328	SRL 15-0028	12/31/2020	Lease/Sublease from Private
121020 E Montgomery Dr.	Spokane	300	Month to Month	9/9/2099	Lease/Sublease from Private
6320 North Cedar Rd.	Spokane	200	Month to Month	9/9/2099	Lease/Sublease from Private

If ownership/lease status is other, specify:

SECTION TWO - PROJECT REQUEST AND BUSINESS NEED

PROJECT REQUEST AND BUSINESS NEED

Describe the circumstances that created the need for this facilities project.

Ecology's Eastern Regional Office (ERO) facility does not have sufficient ancillary space needed to store spill response equipment and field gear, and lacks space for field sample preparation and analysis (laboratory space), secure chain-of-custody storage, or hazardous materials storage. To accommodate these business needs Ecology has leased space in different locations throughout Spokane. This proposal will construct an annex facility to provide space for agency activities currently housed off-site, consolidating business operations to one location. This strategy will eliminate lease expenses and provide a greater level of mission efficiency and service.

Provide a brief description of the preferred facilities solution.

The construction of an annex facility on-site at ERO will provide necessary space for essential agency functions like oil spill and hazmat response. The annex facility will improve Ecology's preparedness and ability to respond to spill incidents by providing efficient, easily accessible space for equipment storage and staging. This proposal will support other agency programs in Eastern Washington by creating space for laboratory services and specialized equipment, and providing safe and secure storage for samples and hazardous materials. Many of these business needs have been located off-site in leased facilities, so consolidating on-site will provide considerable benefits in terms of decreased spill response times, more efficient and secure storage, reductions in travel times and vehicle emissions, and elimination of costs for off-site leases.

Describe how the proposed project will affect agency operations. Include positive and negative impacts and any anticipated efficiencies.

This investment will fund construction of an annex facility at ERO to provide space for field gear storage, a suitable environment for field sample preparation and analysis (laboratory services), secure chain-of-custody storage for laboratory samples, and storage space for spill response equipment and hazardous materials storage. The space for these mission-critical activities is currently leased in small chunks at a number of properties scattered around the Spokane area; consolidating these activities on-site at Ecology's ERO facility would be considerably more efficient. As an example, spill response equipment is currently stored at a leased facility approximately 30 minutes from ERO. If spill response equipment and operations can be consolidated on-site, it would reduce response time for hazmat incidents, reduce fuel use and vehicle emissions, and eliminate the cost associated with the leased storage facility.

Construction of the annex facility at ERO will provide environmental and public health benefits through reduced spill response times. Rapid, aggressive, and well-coordinated response efforts reduce harm to people, the environment, the economy, and help protect cultural and historic resources from damage.

The construction of an annex facility at ERO is the second part of a project to expand ERO and consolidate business operations on-site; this step is necessary to complete the overall project and see the benefits of improved efficiency. The new annex facility design and bid document development will begin in FY 20 with building construction planned to start and finish in FY 21.

Closure of the Geiger Road property will result in the loss of a facility adjacent to the Spokane Airport used by the Environmental Assessment Program (EAP) to repackage and ship water samples to Ecology's Manchester Environmental Laboratory within regulated sample holding times. Airline freight availability between Spokane and Seattle is on a fixed schedule outside our control. EAP staff collect stream flow samples throughout eastern Washington and prepare/deliver them at the end of each day to the air freight facility. If these operations were moved from the Geiger Road property to the new ERO annex facility, it may add up to a one hour travel delay which may not allow staff sufficient time to meet the shipping schedules at the air freight facility. This mission critical water quality sampling activity requires some minimal facility adjacent to the airport to meet current sample preparation and shipping needs. In lieu of a facility adjacent to the airport, additional staffing capacity would be required for EAP to be able to reassign sampling activities between multiple persons to accomplish the workload within schedule limitations.

List the programs affected.

All Ecology programs assigned to the Eastern Regional Office will be affected including; Administration, Spill Response, Water Quality, Washington Conservation Commission (WCC), Air Quality, Water Resources, Toxics Cleanup, Solid Waste Management, Environmental Assessment, Hazardous Waste and Shoreline & Environmental Assistance Programs.

Describe the functions of the agency in the proposed space.

The construction of an annex facility on-site at ERO will provide necessary space for essential agency functions like oil spill and hazmat response. The annex facility will improve Ecology's preparedness and ability to respond to spill incidents by providing efficient, easily accessible space for equipment storage and staging. This proposal will support other agency programs in Eastern Washington by creating space for laboratory services and specialized equipment, and providing safe and secure storage for samples and hazardous materials. Many of these business needs have been located off-site in leased facilities, so consolidating on-site will provide considerable benefits in terms of decreased spill response times, more efficient and secure storage, reductions in travel times and vehicle emissions, and elimination of costs for off-site leases.

If the requested space has more users than today, describe the growth. Include a clear description of the assumptions made and identify the data source(s) used to forecast the growth.

This request consolidates agency operations on-site at the Eastern Regional Office and will bring considerable benefits to spill responders and other Ecology programs that have struggled with inefficient and geographically disparate storage locations in the Spokane area. This request accommodates the current agency program users at the Eastern Regional Office.

WORKPLACE STRATEGY

Describe the process used to engage the employees in defining the proposed space so it aligns with the work being performed and supports a modern work environment, the agency's culture and work style preferences. Include information about when the employee work pattern assessment was completed and how (e.g. interviews, focus groups, additional surveys) leaders and employees were engaged.

The construction of an Annex facility adjacent to the agency's Eastern Regional Office will primarily serve necessary field operational needs. It will not provide long-term or permanent 'office' type workstations. Primary use of the new space will be operational storage for spill response teams together with hazardous waste and other programmatic storage needs. Laboratory space and secure chain-of-custody spaces will also be housed in the Annex.

Describe how the agency incorporated modern work environment strategies and key planning considerations into this agency request (e.g. flexible space design, variety of settings, shared vs individual spaces).

As mentioned, this space is not an office environment, Ecology will however develop the Annex facility with flexibility of space use in the design to support future field operational requirements.

Describe how the agency will optimize the use of available technology related to this request (e.g. deploying laptops, Wi-Fi, mobile hardware and software, cell phones or soft phones).

The new Annex facility will be supported with a Wi-Fi system extended from the existing adjacent Eastern Regional Office.

SECTION THREE – FINANCIAL INFORMATION

CURRENT AND PROJECTED ONGOING COSTS

Provide the agency's approximate total expenditures for the current space(s), if applicable, and provide the approximate annual costs anticipated for the new space for a five-year period.

Expenditure Type	Current Approximate Annual Costs in Dollars	Projected Approximate Annual Costs in Dollars
Rent or Debt Services	\$23,000	\$0
Energy (Electricity, Natural Gas)	\$2,700	\$0
Janitorial Services	\$0	\$500
Utilities (Water, Sewer, & Garbage)	\$0	\$1,100
Additional Parking	\$0	\$0
Other	0	\$2,000
Total of All Annual Expenditures	\$25,700	\$3,600
Annual Cost Per Square Foot	\$5.01	\$0.64
Approximate Annual Change		(\$22,100)

Define any relevant assumptions used to develop the ongoing costs for this project request.

This proposal supports Sustainable Energy and a Clean Environment as it is likely to be one of the first newly constructed state facilities to comply with Executive Order 18-01 (State Efficiency & Environmental Performance) by being constructed as a Net-Zero facility that produces as much energy as it consumes over the course of a year. Energy consumption will be minimal. Due to limited laboratory space size, janitorial expenses are minimal as well as other ongoing utility expenses.

If other ongoing costs are provided, specify:

An estimate is provided for "other" on-going costs for routine building maintenance to insure property building system(s) operations.

ONGOING FUNDING SOURCES

The ongoing project expenses will be funded through:

Existing Facilities Funds Other Operating Funds Future Budget Request Lease Cost Pool

What fund source(s) will be used for the on-going funding of this space?

Agency overhead (Ecology's shared facility / cost allocation budgeting) which consists of a combination of multiple agency fund sources since this annex facility will be used by multiple Ecology programs.

If the expenses are expected to be absorbed, how?

N/A

If the ongoing project expenses are funded through efficiencies, how?

N/A

ONE-TIME PROJECT COST ESTIMATE

DESCRIPTION	COST
DES Fees	\$0
Tenant Improvements (Construction)	\$1,891,000
IT Infrastructure	\$30,000
New Furniture Costs	\$0
Furniture Relocation Costs	\$0
Building Security and Access Systems	\$45,000

Moving Vendor and Supplies	\$0
Other	\$0
Total	\$1,966,000

Define any relevant assumptions used to develop the one-time costs for this project request.
The total one-time cost estimate of \$1,966,000 is included in an Ecology 19--21 Capital Budget request.

If other one-time costs are provided, specify:
N/A

ONE-TIME PROJECT FUNDING SOURCES

The one-time costs for this project will be funded through:
 Existing Project Funds Other Operating Funds Future Budget Request Lease Cost Pool

What fund source(s) will be used for the one-time project costs?
The preferred funding option for this project is bond funds.

Costs to fund construction of an annex facility at ERO were identified as a priority during the 2017 legislative session. Ecology will not see the benefits of expanding ERO and consolidating business operations on-site unless funding for the annex facility is approved.

If the expenses are expected to be absorbed, how?
N/A

If the one-time project expenses are funded through efficiencies, how?
N/A

SECTION FOUR - ALTERNATIVES CONSIDERED


Provide a complete description of other alternatives considered and a summary of the advantages and disadvantages of these alternatives.
There are no suitable alternatives to this project. Ecology received funding in the 2017-2019 biennial budget to purchase land parcels adjacent to the current ERO facility, so the effort to expand ERO and consolidate business operations on-site is well underway. Construction of the annex facility is necessary to complete the overall project and see the benefits of improved efficiency.

Ecology has improved the efficiency of agency business operations by establishing similar on-site annex facilities at the Lacey HQ facility, Central Regional office in Union Gap, and at the Vancouver and Bellingham field offices.

If this project is not in the current Six-Year Facilities Plan or is not consistent with the Plan, explain.
This project is included in the 19--25 Six-Year Facilities Plan.

SECTION FIVE – AUTHORIZATIONS

I certify that the requested space is necessary, funds are available to implement this request and that all information is accurate based on the best available information. I acknowledge that my agency is required to report the results of the project to OFM once complete.

Agency Financial Manager Signature	<i>Erik Fairchild</i>	Date: <i>7/26/18</i>
Printed Name and Title	<i>Erik Fairchild Chief Financial Officer</i>	
Agency Director or Designee Signature		Date: <i>7/26/18</i>
Printed Name and Title	<i>Jason Norberg Acting Administrative Services Director</i>	

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 9:23AM

Project Number: 40000127

Project Title: Padilla Bay Federal Capital Projects

Description

Starting Fiscal Year: 2020

Project Class: Program

Agency Priority: 31

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**What is the proposed project?**

The competitive NOAA federal capital grant Ecology is pursuing will be used for Padilla Bay National Estuarine Research Reserve projects. Ecology will not know until June or later in 2019 if we will be awarded new NOAA funding. In the event we are, Ecology is requesting \$500,000 in General Fund – Federal (GF-Federal) appropriation for the 2019-21 Biennium. This number is an estimate based on past federal grants Ecology received for Padilla Bay Reserve improvements. No state (cash) match will be required.

Ecology must submit an application by November 30, 2018, and award decisions will be made after May 31, 2019. Because this federal grant program is highly competitive, the agency must wait for the notification date to know if we will receive the funds.

Below are recent examples of successfully funded projects at Padilla Bay:

2016-17 – Solar Panels: 84 solar panels were placed on the roof of the laboratory building to help offset the Reserve's carbon footprint and reduce energy costs. These units went on-line in December 2017.

2017-18 – Public Aquaria Display Addition Design: The existing marine aquaria at the Reserve are extremely popular and are the cornerstone of the public education programs regarding Puget Sound ecosystem health. Ecology is working to expand the aquaria display to include near-shore species. Consistent with this, educational materials will be developed for the general public and school program visitors to enhance the learning experience at the Reserve.

Proposed NOAA projects Ecology is considering applying for in 2019-21 include:

Breazeale House ADA improvements and renovation. This older home (built 1942) is in good condition and currently used for office space for Ecology staff. It received minor weatherization improvements in 1999. The house needs to be brought up-to-date in several areas, most specifically ADA improvements, a new restroom (ADA approved), improvements to meet the new seismic codes, a small addition for research interns working at the Reserve, and a new roof.

These improvements will provide safe, efficient work space for staff and bring the house up to date with local and state codes. Visiting interns provided by federal NOAA programs will have work space for research projects.

Property Acquisition. The Reserve contains 12,000 acres of tidelands and 170 acres of uplands. The main upland parcel (where Reserve public facilities and walking trails are located) is a 64-acre tract donated to the state in 1980. To the north and east of this property is acreage that, if acquired, will provide a boundary of undeveloped land between the Reserve and housing developments, and expand the Reserve's public walking trail system.

If Ecology is successful in getting new projects funded through NOAA, we will need additional federal capital appropriation to spend the grants.

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 9:23AM

Project Number: 40000127

Project Title: Padilla Bay Federal Capital Projects

Description**What opportunity or problem is driving this request?**

NOAA-funded projects can include facility repairs and expansion, educational exhibits, trail maintenance, public access to coastal areas, and green infrastructure to existing buildings. The Padilla Bay Reserve is a leader as an educational resource that provides practical and factual information. The purpose is to help the public make informed, improved decisions and lifestyle changes to reduce their environmental impact, shrink their carbon footprint, and enhance our natural resources by incorporating green, sustainable practices and materials in their home and business environments.

What are the specific benefits of this project?

Generally, projects funded at Padilla Bay Reserve have contributed substantially to the health of Puget Sound and science education for thousands of Washington students and visitors. This project will provide similar benefits for all state residents.

What are the effects of non-funding?

If Ecology does not get GF-Federal appropriation, the agency would be unable to spend federal awards to make updates at the Padilla Bay Reserve. It would have less ability to carry out public education initiatives for vital environmental issues such as carbon reduction, climate change, and sustainable design/construction – key components of the educational messaging provided to the tens of thousands of visitors annually.

Why is this the best option or alternative?

State accounting processes require state agencies to get legislative approval to spend federal grants. This approval comes in the form of federal appropriation in enacted budgets. Providing GF-Federal appropriation to Ecology for the NOAA funded projects will allow the agency to spend federal dollars on work that will improve the Padilla Bay Reserve.

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

This request will have a positive educational impact on the thousands of students and visitors viewing Padilla Bay National Estuarine Research Reserve exhibits and displays every year.

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

Ecology requests GF-Federal appropriation so the agency can spend federal funds from the NOAA grant. For the 2019-21 Biennium, this is the only option to complete this work. With the exception of a small amount of staff time for construction project management, Ecology plans to use only federal funds, donations, and in-kind contributions for capital investments at the Padilla Bay Reserve, and is not seeking state funds for these projects.

Are FTEs required to support this project?

No FTEs are required to support this project.

How does the project support the agency and statewide results?

This project is essential to implementing a priority in Ecology's strategic plan to "Protect and Restore Puget Sound" by ensuring timely investments are made to update facilities for training and educating students and other visitors to the Padilla Bay Reserve and the Breezeale Interpretive Center. Their experience at the Reserve will help them make informed decisions and lifestyle changes to reduce their environmental impact, shrink their carbon footprint, and enhance natural resources by incorporating green, sustainable practices and materials in their home and business environments.

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 9:23AM

Project Number: 40000127

Project Title: Padilla Bay Federal Capital Projects

Description

This request provides essential support to the Governor's Results Washington Goal 3: Sustainable Energy and a Clean Environment by providing educational programs related to the health of Puget Sound to thousands of citizens throughout Washington so that we can directly address and demonstrate carbon reduction technologies, "green" construction methods, and climate change awareness.

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

None.

What is the impact on the state operating budget?

None.

Proviso

N/A

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
001-2	General Fund-Federal	500,000				500,000
	Total	500,000	0	0	0	500,000
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
001-2	General Fund-Federal					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 10:01AM

Project Number: 30000335

Project Title: Padilla Bay Federal Capital Projects - Programmatic

Description

Starting Fiscal Year: 2014
 Project Class: Program
 Agency Priority: 95

Project Summary

Ecology requests reappropriation authority for an annual national competitive grant program through the National Oceanic and Atmospheric Administration's Estuarine Reserve Division that funds facility construction, remodeling, and property acquisition at the Padilla Bay Estuarine Reserve. Ecology's Padilla Bay Estuarine Reserve is eligible to apply for a 70 percent federal grant with a 30 percent match required for the awards to be obtained from donations, in-kind contributions, and other non-state sources. This funding was originally appropriated in the 2011-13 Biennium. (General Fund Federal)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

Location

City: Mount Vernon

County: Skagit

Legislative District: 040

Project Type

Program (Minor Works)

Growth Management impacts

None

New Facility: No

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 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			
		2021-23	2023-25	2025-27	2027-29
001-2	General Fund-Federal				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

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**Department of Ecology
2019-2029 Capital Budget**

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:37AM

Project Number: 40000194

Project Title: 2019-21 Protect Investments in Cleanup Remedies

Description

Starting Fiscal Year: 2020

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. (State Building Construction Account)

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

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 remedial action 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. Currently, the state is responsible for six sites under SSCs. Those sites are listed on the attached project list.

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.

In the past, projects that protect cleanup remedies were included in Ecology's Cleanup Toxic Sites – Puget Sound or the Eastern Washington Clean Sites Initiative budget requests. Ecology is requesting these projects in a stand-alone, separate budget request in 2019-21 to highlight their importance as a high funding priority.

What opportunity or problem is driving this request?

Some contaminated sites require ongoing investments essential to 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. One of the treatment plants, 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.

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:37AM

Project Number: 40000194

Project Title: 2019-21 Protect Investments in Cleanup Remedies

Description

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.

Using funds secured through a legal settlement and supplemented with State Toxics Control Account appropriations, 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 expects system operation will be necessary through at least 2021 to meet cleanup levels for the site. Ecology oversees this remedial cleanup project.

This request will provide funding for operation and maintenance for the six projects under SSCs and Ecology's required 10 percent construction match for implementing federal Superfund cleanups in Washington.

What are the specific benefits of this project?

This request 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 52 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 or schedule delays, would result in increased costs for 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 three 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. Traditionally, cleanup requests have received Model Toxics Control Act (MTCA) account funding. Revenue projections for the MTCA accounts in the 2019-21 Biennium are not enough to support new capital projects, so Ecology is requesting State Building Construction Account (SBCA) funding to support this important work in 2019-21. Funding with bonds 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 continues ongoing efforts and will result in local cleanups and possible land redevelopment. Ecology's 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.

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:37AM

Project Number: 40000194

Project Title: 2019-21 Protect Investments in Cleanup Remedies

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

Traditionally, cleanup requests have been funded with MTCA funding. The Hazardous Substance Tax (HST) is the primary revenue source for MTCA, and taxes are collected on the first possession of certain hazardous substances (taxed at 7/10 of one percent of the value of the product). Petroleum makes up about 90 percent of the revenue collected with the HST. According to the Office of Financial Management, the HST is Washington's most volatile tax (*Table 2: Average Annual Percentage of Change of Washington Major Tax Sources* (p.8), Office of Financial Management, *Washington State Model Toxics Control Act Accounts*; November 2016.)

The price of crude oil began dropping after the summer of 2014, which resulted in a correlated and significant decrease in HST revenue. Prior to the downward plunge in oil prices, MTCA revenue collections were around \$200 million a year from 2012 through 2014. Collections dropped to \$113 million in 2016, and \$124 million in 2017. MTCA fund balances have not been able to support the demand for toxic site cleanups over the last two biennia, and even with the \$60 million in bond backfill funding provided in 2017-19, there will still be a funding gap next biennium.

MTCA funding is now used in operating and capital budgets at 11 state agencies, and its use has greatly expanded over time. While HST revenue collections are projected to be \$159 million a year in 2019-21, with the operating budget carryforward and capital reappropriation demands next biennium, projected MTCA fund balances are insufficient to meet new cleanup needs. Ecology requests funding from the State Building Construction Account to help bridge the gap until MTCA capacity returns.

In addition to the MTCA revenue shortfalls, the pressure on operating funds during the Great Recession resulted in multiple fund shifts. Enacted budgets permanently shifted \$75 million of General Fund-State (GF-State) work in state agencies' operating budgets to MTCA accounts. Although these fund shifts preserved some core environmental work, they also further eroded MTCA funding capacity for toxics work.

Ecology has a separate operating request to restore \$64 million GF-State that was shifted to MTCA accounts in Ecology's budget. Shifting the funding back to GF-State will free up MTCA dollars for additional capital investments.

Are FTEs required to support this project?

No.

How does the project support the agency and statewide results?

This request is essential to implementing a priority in Ecology's strategic plan to Prevent and Reduce Toxic Threats and the Governor's Results Washington Goal 3: Sustainable Energy and a Clean Environment by cleaning up and managing contaminated sites to reduce threats to public health, the environment, groundwater, and fish and wildlife resources.

This request also supports the Governor's Results Washington Goal 2: Prosperous Economy by redeveloping contaminated land and creating jobs that support economic growth in communities.

This request also supports Puget Sound Action Agenda implementation through the following Strategies, Sub-strategies, and Vital Sign Regional Priority:

- 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. This request relates to the sub-strategy by cleaning up contaminated sites so they can be redeveloped so that urban areas can be revitalized to promote economic growth.
- 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. This request relates to the strategy and sub-strategy by reducing and controlling the sources of pollution so that areas contaminated with hazardous substances return to a healthy, self-sustaining ecosystem.

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:37AM

Project Number: 40000194

Project Title: 2019-21 Protect Investments in Cleanup Remedies

Description

· Vital Sign Regional Priority TIF1.1 - Enhance pollutant reduction programs, corrective measures and increase authorities and programs to prevent toxic chemicals from entering Puget Sound.

Ecology's focused work in Puget Sound will be accomplished by making direct state investments, using contributions by potentially liable parties, and entering interagency agreements with affected local governments and resource agencies.

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	49,637,000				9,637,000
	Total	49,637,000	0	0	0	9,637,000

Acct Code	Account Title	Future Fiscal Periods			
		2021-23	2023-25	2025-27	2027-29
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

SubProjects

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:37AM

Project Number: 40000194

Project Title: 2019-21 Protect Investments in Cleanup Remedies

SubProjects

SubProject Number: 40000195

SubProject Title: Wyckoff Treatment Plant

Starting Fiscal Year: 2020

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. (State Building Construction Account)

Project Description

Required operations and maintenance for groundwater treatment plant. (State Superfund Contract)

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	Expenditures			2019-21 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	1,305,000				1,305,000
	Total	1,305,000	0	0	0	1,305,000
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:37AM

Project Number: 40000194

Project Title: 2019-21 Protect Investments in Cleanup Remedies

SubProjects

SubProject Number: 40000195

SubProject Title: Wyckoff Treatment Plant

Operating Impacts

No Operating Impact

SubProject Number: 40000196

SubProject Title: Lilyblad

Starting Fiscal Year: 2020

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. (State Building Construction Account)

Project Description

Continue cleanup activities at the Lilyblad Petroleum site in Tacoma. The project funding would support implementation of the cleanup action plan on the most contaminated part of the site. The cleanup action plan includes dual phase extraction well treatment and treatment of contaminated groundwater extracted. Additionally, groundwater monitoring indicates the potential for an additional source of contamination at the site that would need to be identified and removed to allow for adequate cleanup of the site. The cleanup action plan would also prevent contaminated groundwater from migrating toward the Blair Waterway. Groundwater, vapor, and soil sampling are included to optimize treatment.

Proviso

N/A

Location

City: Tacoma

County: Pierce

Legislative District: 027

Project Type

Grants

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 Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:37AM

Project Number: 40000194

Project Title: 2019-21 Protect Investments in Cleanup Remedies

SubProjects

SubProject Number: 40000196

SubProject Title: Lilyblad

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	1,785,000				1,785,000
	Total	1,785,000	0	0	0	1,785,000
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

SubProject Number: 40000197

SubProject Title: Lakewood Ponders

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:37AM

Project Number: 40000194

Project Title: 2019-21 Protect Investments in Cleanup Remedies

SubProjects

SubProject Number: 40000197

SubProject Title: Lakewood Ponders

Starting Fiscal Year: 2020

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. (State Building Construction Account)

Project Description

Perchorethylene (PCE) from the Lakewood Ponders dry cleaners contaminated the Lakewood Water District’s supply wells. PCE spilled onto the soil and migrated into the groundwater. EPA removed as much source material as practicable. However, PCE trapped in a silt layer at depth continues to release low levels of PCE into groundwater. Currently, the Water District treats the drinking water and removes the PCE prior to distribution to the public. However, the treatment system needs upgrades because the current system has nearly reached its expected useful life. (State Superfund Contract)

Proviso

N/A

Location

City: Lakewood

County: Pierce

Legislative District: 029

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropr	New Approps
057-1	State Bldg Constr-State	2,260,000				2,260,000
	Total	2,260,000	0	0	0	2,260,000

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:37AM

Project Number: 40000194

Project Title: 2019-21 Protect Investments in Cleanup Remedies

SubProjects

SubProject Number: 40000197

SubProject Title: Lakewood Ponders

	Future Fiscal Periods			
	2021-23	2023-25	2025-27	2027-29
057-1 State Bldg Constr-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000198

SubProject Title: Well 12A

Starting Fiscal Year: 2020

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. (State Building Construction Account)

Project Description

Required long term operations and maintenance for groundwater treatment plant. (State Superfund Contract)

Proviso

N/A

Location

City: Tacoma

County: Pierce

Legislative District: 027

Project Type

Grants

461 - Department of Ecology
Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:37AM

Project Number: 40000194

Project Title: 2019-21 Protect Investments in Cleanup Remedies

SubProjects

SubProject Number: 40000198

SubProject Title: Well 12A

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	300,000				300,000
	Total	300,000	0	0	0	300,000
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State	0	0	0	0	
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

SubProject Number: 40000199

SubProject Title: Bothell BP 11352

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:37AM

Project Number: 40000194

Project Title: 2019-21 Protect Investments in Cleanup Remedies

SubProjects

SubProject Number: 40000199

SubProject Title: Bothell BP 11352

Starting Fiscal Year: 2020

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. (State Building Construction Account)

Project Description

A consent decree required Ecology to cleanup contaminated soil and groundwater from this former gas station. The petroleum plume has extended off-property beneath adjacent property. A Site Remedial Investigation and Feasibility Study were completed and the Cleanup Action Plan was implemented. The Uniform Environmental Covenants Act requires Ecology to conduct a periodic review and reporting. The previous periodic review demonstrated that additional in-situ remediation and monitoring is necessary to address contamination that remains above the state cleanup levels.

Proviso

N/A

Location

City: Bothell

County: King

Legislative District: 001

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	550,000				550,000
	Total	550,000	0	0	0	550,000

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:37AM

Project Number: 40000194

Project Title: 2019-21 Protect Investments in Cleanup Remedies

SubProjects

SubProject Number: 40000199

SubProject Title: Bothell BP 11352

	Future Fiscal Periods			
	2021-23	2023-25	2025-27	2027-29
057-1 State Bldg Constr-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000200

SubProject Title: Handy Andy Time Oil

Starting Fiscal Year: 2020

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. (State Building Construction 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.

Proviso

N/A

Location

City: Vancouver

County: Clark

Legislative District: 049

Project Type

Grants

461 - Department of Ecology
Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:37AM

Project Number: 40000194

Project Title: 2019-21 Protect Investments in Cleanup Remedies

SubProjects

SubProject Number: 40000200

SubProject Title: Handy Andy Time Oil

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	265,000				265,000
	Total	265,000	0	0	0	265,000
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State	0	0	0	0	
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

SubProject Number: 40000201

SubProject Title: Black Lake Grocery

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:37AM

Project Number: 40000194

Project Title: 2019-21 Protect Investments in Cleanup Remedies

SubProjects

SubProject Number: 40000201

SubProject Title: Black Lake Grocery

Starting Fiscal Year: 2020

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. (State Building Construction 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. Monitoring is needed to determine if further action is needed.

Proviso

N/A

Location

City: Unincorporated

County: Thurston

Legislative District: 035

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	150,000				150,000
	Total	150,000	0	0	0	150,000

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:37AM

Project Number: 40000194

Project Title: 2019-21 Protect Investments in Cleanup Remedies

SubProjects

SubProject Number: 40000201

SubProject Title: Black Lake Grocery

	Future Fiscal Periods			
	2021-23	2023-25	2025-27	2027-29
057-1 State Bldg Constr-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000202

SubProject Title: Priceless Gas

Starting Fiscal Year: 2020

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. (State Building Construction Account)

Project Description

This former gas station site in Davenport with petroleum in soil and groundwater has a cleanup remedy and restrictive covenant in place. Funding will support ongoing groundwater monitoring and possibly additional treatments to enhance petroleum degradation.

Proviso

N/A

Location

City: Davenport

County: Lincoln

Legislative District: 013

Project Type

Grants

461 - Department of Ecology
Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:37AM

Project Number: 40000194

Project Title: 2019-21 Protect Investments in Cleanup Remedies

SubProjects

SubProject Number: 40000202

SubProject Title: Priceless Gas

Grant Recipient Organization: N/A

RCW that establishes grant: N/A

Application process used

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	10,000				10,000
	Total	10,000	0	0	0	10,000
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State	0	0	0	0	
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

SubProject Number: 40000203

SubProject Title: American Crossarm

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:37AM

Project Number: 40000194

Project Title: 2019-21 Protect Investments in Cleanup Remedies

SubProjects

SubProject Number: 40000203

SubProject Title: American Crossarm

Starting Fiscal Year: 2020

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. (State Building Construction 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 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 was 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 on the facility property. The containment cap requires perpetual O&M to ensure that it continues to function. (State Superfund Contract)

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			2019-21 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	10,000				10,000
	Total	10,000	0	0	0	10,000

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:37AM

Project Number: 40000194

Project Title: 2019-21 Protect Investments in Cleanup Remedies

SubProjects

SubProject Number: 40000203

SubProject Title: American Crossarm

	Future Fiscal Periods			
	2021-23	2023-25	2025-27	2027-29
057-1 State Bldg Constr-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000204

SubProject Title: Wyckoff: OU1 - Subtidal Sediments/Buoy, Long Term O&M

Starting Fiscal Year: 2020

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. (State Building Construction Account)

Project Description

Required operations and maintenance of the capping remedy for the subtidal portion (50 acre); monitoring capping depth integrity and four buoys. (State Superfund Contract)

Proviso

N/A

Location

City: Bainbridge Island

County: Kitsap

Legislative District: 023

Project Type

Grants

461 - Department of Ecology
Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:37AM

Project Number: 40000194

Project Title: 2019-21 Protect Investments in Cleanup Remedies

SubProjects

SubProject Number: 40000204

SubProject Title: Wyckoff: OU1 - Subtidal Sediments/Buoy, Long Term O&M

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	292,000				292,000
	Total	292,000	0	0	0	292,000
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State	0	0	0	0	
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

SubProject Number: 40000205

SubProject Title: Wyckoff: RODA I - 10% match

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:37AM

Project Number: 40000194

Project Title: 2019-21 Protect Investments in Cleanup Remedies

SubProjects

SubProject Number: 40000205

SubProject Title: Wyckoff: RODA I - 10% match

Starting Fiscal Year: 2020

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. (State Building Construction Account)

Project Description

Required 10% match for the construction of concrete-reinforced perimeter wall, access road, and nearshore sediment remediation, including active dredging/capping for 1.6 acres and 9.2 acres of Monitored Natural Recovery (MNR) remedy. (State Superfund Contract)

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	2,710,000				2,710,000
	Total	2,710,000	0	0	0	2,710,000

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:37AM

Project Number: 40000194

Project Title: 2019-21 Protect Investments in Cleanup Remedies

SubProjects

SubProject Number: 40000205

SubProject Title: Wyckoff: RODA I - 10% match

	Future Fiscal Periods			
	2021-23	2023-25	2025-27	2027-29
057-1 State Bldg Constr-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000206

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

Starting Fiscal Year: 2020

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. (State Building Construction Account)

Project Description

Ten-Year Financial Plan

Proviso

N/A

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Grants

461 - Department of Ecology
 Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:37AM

Project Number: 40000194

Project Title: 2019-21 Protect Investments in Cleanup Remedies

SubProjects

SubProject Number: 40000206

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

Grant Recipient Organization: N/A

RCW that establishes grant: N/A

Application process used

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	40,000,000				
	Total	40,000,000	0	0	0	0

Future Fiscal Periods

Acct Code	Account Title	Future Fiscal Periods			
		2021-23	2023-25	2025-27	2027-29
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 2019-21 Biennium Budget Project List
Toxics Cleanup Program
Protect Investments in Cleanup Remedies

June 8, 2018



Purpose: This list provides project details about the 2019-21 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	Project Description	Phase of Cleanup	Amount	Site Address	City	County	Leg. District	Lat.	Long.
1	Wyckoff Treatment Plant	Required operations and maintenance for groundwater treatment plant. (State Superfund Contract)	Cleanup / Post Closure Monitoring	1,305,000	Creosote Pl NE	Bainbridge Island	Kitsap	23	47.615	-122.500
2	Lilyblad	Continue cleanup activities at the Lilyblad Petroleum site in Tacoma. The project funding would support implementation of the cleanup action plan on the most contaminated part of the site. The cleanup action plan includes dual phase extraction well treatment and treatment of contaminated groundwater extracted. Additionally, groundwater monitoring indicates the potential for an additional source of contamination at the site that would need to be identified and removed to allow for adequate cleanup of the site. The cleanup action plan would also prevent contaminated groundwater from migrating toward the Blair Waterway. Groundwater, vapor, and soil sampling are included to optimize treatment.	Cleanup / Post Closure Monitoring	1,785,000	2244 Port of Tacoma Rd	Tacoma	Pierce	27	47.259	-122.393
3	Lakewood Ponders	Perchloroethylene (PCE) from the Lakewood Ponders dry cleaners contaminated the Lakewood Water District's supply wells. PCE spilled onto the soil and migrated into the groundwater. EPA removed as much source material as practicable. However, PCE trapped in a silt layer at depth continues to release low levels of PCE into groundwater. Currently, the Water District treats the drinking water and removes the PCE prior to distribution to the public. However, the treatment system needs upgrades because the current system has nearly reached its expected useful life. (State Superfund Contract)	Cleanup / Post Closure Monitoring	2,260,000	15 & New York Ave	Lakewood	Pierce	29	47.141	-122.514
4	Well 12A	Required long term operations and maintenance for groundwater treatment plant. (State Superfund Contract)	Cleanup / Post Closure Monitoring	300,000	1657 Center Street	Tacoma	Pierce	27	47.234	-122.457
5	Bothell BP 11352	A consent decree required Ecology to cleanup contaminated soil and groundwater from this former gas station. The petroleum plume has extended off-property beneath adjacent property. A Site Remedial Investigation and Feasibility Study were completed and the Cleanup Action Plan was implemented. The Uniform Environmental Covenants Act requires Ecology to conduct a periodic review and reporting. The previous periodic review demonstrated that additional in-situ remediation and monitoring is necessary to address contamination that remains above the state cleanup levels.	Cleanup / Post Closure Monitoring	550,000	18725 Bothell Way NE	Bothell	King	1	47.764	-122.208
6	Handy Andy Time Oil	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.	Cleanup / Post Closure Monitoring	265,000	3314 NE 44th Street	Vancouver	Clark	49	45.653	-122.637
7	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. Monitoring is needed to determine if further action is needed.	Cleanup / Post Closure Monitoring	150,000	4409 Black Lake Blvd SW	Olympia	Thurston	35	47.008	-122.976
8	Pricelless Gas	This former gas station site in Davenport with petroleum in soil and groundwater has a cleanup remedy and restrictive covenant in place. Funding will support ongoing groundwater monitoring and possibly additional treatments to enhance petroleum degradation.	Cleanup / Post Closure Monitoring	10,000	1108 Morgan St	Davenport	Lincoln	13	47.654	-118.156

Rank	Project	Project Description	Phase of Cleanup	Amount	Site Address	City	County	Leg. District	Lat.	Long.
9	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 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 was 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 on the facility property. The containment cap requires perpetual O&M to ensure that it continues to function. (State Superfund Contract)	Cleanup / Post Closure Monitoring	10,000	100 Chehalis Ave SW	Chehalis	Lewis	20	46.658	-122.970
10	Wyckoff: OU1 - Subtidal Sediments/Buoy, Long Term O&M	Required operations and maintenance of the capping remedy for the subtidal portion (50 acre); monitoring capping depth integrity and four buoys. (State Superfund Contract)	Cleanup / Post Closure Monitoring	292,000	Creosote PINE	Bainbridge Island	Kitsap	23	47.615	-122.500
11	Wyckoff: RODA I - 10% match	Required 10% match for the construction of concrete-reinforced perimeter wall, access road, and nearshore sediment remediation, including active dredging/capping for 1.6 acres and 9.2 acres of Monitored Natural Recovery (MNR) remedy. (State Superfund Contract)	Cleanup / Post Closure Monitoring	2,710,000	Creosote PINE	Bainbridge Island	Kitsap	23	47.615	-122.500
				Total 2019-21 Budget Request	9,637,000					

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

Description

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 3

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request for \$85 million will fund pass-through grants for ready-to-proceed projects and actual spending requirements for the 2019-21 Biennium. 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, Local Toxics Control Account)

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

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 2019-21 local government toxic site cleanup needs. Local governments self-reported an estimated total state share need of \$174 million for the 2019-21 Biennium. Ecology will publish the 2018 Model Toxics Control Act (MTCA) Accounts Ten-Year Financing Report in October 2018. The report will provide a long-term view of cleanup needs. The report estimated the total RAG need (state share) for the ten-year period to be \$781 million.

This RAG request of \$85 million for 2019-21 is larger than the historical funding level of the program, which has averaged \$63.5 million each biennium since 2007. This higher-than-average proposed funding level is to support cleanups that are underway. Many of the projects have been waiting for state funding to stabilize while Ecology managed the MTCA revenue shortfall. The attached project list contains only one new project, the City of Yakima – Interstate 82 Exit 33A Yakima City Landfill.

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. The MTCA revenue decline Ecology managed for the past four years has resulted in cleanup project delays and uncertainty about state funding commitments. Now it is time to commit state money to local government cleanups. Ecology is proposing projects that are ready to proceed and address the needs and capacity of local government for the 2019-21 Biennium. The attached project list reflects the biennial cash flow requirements of projects.

There are three categories of grants included in this 2019-21 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.

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Description

2. 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.

3. 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.

MTCA's cleanup process informs project prioritization. Ecology's Toxics Cleanup Program (TCP) 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; contaminated groundwater and drinking water; contaminated marine water and sediment, which pose human health risks from consuming fish and shellfish; 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: Information from the remedial investigation and feasibility study is included in a cleanup action plan that describes cleanup standards, methods, 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: Designing, constructing, operating, and monitoring the cleanup. At this phase, projects are ready to proceed: They are in construction; they have permits or are in the permitting process; their design is complete or underway; or they are under contract. A cleanup is complete when Ecology determines cleanup standards have been met.

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.

The 2019-21 Biennium will be the first time Ecology fully applies the site selection and prioritization criteria that is outlined in the revised rule.

Beginning in February 2018, Ecology's process to apply these criteria followed three major activities:

1. Solicited projects from local governments and jurisdictions. In February 2018, 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. Cleanup project managers reviewed the information received from the solicitation and updated any "self-reported" data with more current or additional information Ecology knew about the site. Cleanup project managers 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 cleanup project managers completed their review, Ecology's regional section managers then reviewed funding amounts and sized the requested amounts, while

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Description

considering a project's scope of work and 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 2019-21, 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 2019-21 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 the 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 criteria noted below. The resulting ranks were based on both the local governments' "self-reported" information and Ecology's cleanup project manager review.

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.

Funding List: After a review of project amounts, the funding list equals \$85 million. A detailed project list is attached.

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.

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.

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This request will also provide economic benefits to the state by creating up to 484 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.

Why is this the best option or alternative?

One of Ecology's three 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 Local Toxics Control Account (LTCA) funding as one of the top priorities under RCW 70.105D.070, and State Building Construction Account (SBCA) bond funding. Revenue projections for LTCA in the 2019-21 Biennium are not enough to support all of this request, so Ecology is requesting SBCA and LTCA funding to support this important work in 2019-21. Funding with LTCA and SBCA 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?

Traditionally, the RAG program has been funded with MTCA funding. The Hazardous Substance Tax (HST) is the primary revenue source for MTCA, and taxes are collected on the first possession of certain hazardous substances (taxed at 7/10 of one percent of the value of the product). Petroleum makes up about 90 percent of the revenue collected with the HST. According to the Office of Financial Management, the HST is Washington's most volatile tax (*Table 2: Average Annual Percentage of Change of Washington Major Tax Sources* (p.8), Office of Financial Management, *Washington State Model Toxics Control Act Accounts*; November 2016.)

The price of crude oil began dropping after the summer of 2014, which resulted in a correlated and significant decrease in HST revenue. Prior to the downward plunge in oil prices, MTCA revenue collections were around \$200 million a year from 2012 through 2014. Collections dropped to \$113 million in 2016, and \$124 million in 2017. MTCA fund balances have not been able to support the demand for toxic site cleanups over the last two biennia, and even with the \$60 million in bond backfill funding provided in 2017-19, there will still be a funding gap next biennium.

MTCA funding is now used in operating and capital budgets at 11 state agencies, and its use has greatly expanded over time. While HST revenue collections are projected to be \$159 million a year in 2019-21, with the operating budget carryforward and capital reappropriation demands next biennium, projected MTCA fund balances are insufficient to meet new cleanup needs. Ecology requests funding from the State Building Construction Account to help bridge the gap until MTCA capacity returns.

In addition to the MTCA revenue shortfalls, the pressure on operating funds during the Great Recession resulted in multiple fund shifts. Enacted budgets permanently shifted \$75 million of General Fund-State (GF-State) work in state agencies' operating budgets to MTCA accounts. Although these fund shifts preserved some core environmental work, they also further eroded MTCA funding capacity for toxics work.

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Ecology has a separate operating request to restore \$64 million GF-State that was shifted to MTCA accounts in Ecology's budget. Shifting the funding back to GF-State will free up MTCA dollars for additional capital investments. If GF-State is shifted back in the operating budget, Ecology recommends any freed up MTCA funding be directed to this capital request, in exchange for SBCA funding.

Funding for this request includes \$45,000 to maintain and update the grant or loan applications for the three grant types in the agency systems.

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 an increase of one full-time grant manager from the 2017-19 Biennium. The RAG program administers approximately 90 grants. With only two grant managers overseeing 45 grants each, the RAG program was exceeding the workload of other grant administrators in Ecology. Assigning about 30 grants each provides a better balance of RAG managers' time for oversight of significant state dollars.

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.

How does the project support the agency and statewide results?

This request is essential to implementing a priority in Ecology's strategic plan to Prevent and Reduce Toxic Threats because it contributes resources to continue activity A005, "Clean Up the Most Contaminated Sites First (Upland and Aquatic)".

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

This request provides essential support to the Governor's Results Washington Goal 3: Sustainable Energy and a Clean Environment by cleaning up and managing contaminated sites to reduce threats to public health, the environment, groundwater, and fish and wildlife resources. Specifically:

- Goal-topic: Clean and Restored Environment – Sub-topic: Healthy Lands.
- Outcome Measure 3.1 – Increase the number of contaminated sites cleaned up by 17 percent from 5,815 to 6,803 by 2020.
- Leading Indicator 3.1.a – Increase number of contaminated brownfield sites returned to economically productive use from 476 to 641 by 2016.

This request also supports the Governor's Results Washington Goal 2: Prosperous Economy by redeveloping contaminated land and creating jobs that support economic growth in communities.

This request supports Puget Sound Action Agenda implementation through the following strategies, sub-strategies, and regional priorities:

-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, and Sub-strategy Regional Priority 10.3-2, provide infrastructure and incentives to accommodate redevelopment within designated urban centers in urban growth areas. This request also supports Vital Sign Regional Priority TIF3.1, provide infrastructure and incentives to accommodate new development and re-development within designated urban centers in Urban Growth Areas (UGA).

This request relates to the sub-strategy and regional priorities by helping local governments clean up contaminated sites, and providing 50 percent match (or more depending on circumstances) of eligible project costs.

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Project Title: 2019-21 Remedial Action Grants

Description

-Strategy 21 - Address and clean up cumulative water pollution impacts in Puget Sound and sub-strategy 21.2, clean up contaminated sites within and near Puget Sound by reducing and controlling the sources of pollution. This request also supports Vital Sign Regional Priority TIF1.1, enhance pollutant reduction programs, corrective measures and increase authorities and programs to prevent toxic chemicals from entering Puget Sound.

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. Through the RAG program, Ecology works in partnership with local governments to fund remedial actions at contaminated sites in Puget Sound.

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?

If the enacted operating budget shifts back some or all of the \$64.2 million GF-State shift back Ecology is requesting, the freed up MTCA funding can be directed to this request in exchange for bond funding.

Ecology also has a related 2019-21 operating request titled, "Expanded Cleanup Site Capacity" that will provide additional cleanup managers to oversee large, complex Puget Sound cleanup sites that are ready to proceed; to perform initial contamination investigations; and to address new contaminants and cleanup opportunities. Ecology needs increased site management cleanup capacity to expeditiously address cleanup site backlogs so sites are cleaned up and put back into use, protecting and improving public health and the environment.

Proviso

N/A

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Grants

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Project Title: 2019-21 Remedial Action Grants

Description

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	58,089,000				58,089,000
174-1	Local Toxics Control-State	281,001,000				27,001,000
	Total	339,090,000	0	0	0	85,090,000
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State					
174-1	Local Toxics Control-State	63,500,000	63,500,000	63,500,000	63,500,000	
	Total	63,500,000	63,500,000	63,500,000	63,500,000	

Operating Impacts

No Operating Impact

SubProjects

SubProject Number: 40000212

SubProject Title: Wenatchee - City Gold Knob Prospects

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

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Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000212

SubProject Title: Wenatchee - City Gold Knob Prospects

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 3

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request for \$85 million will fund pass-through grants for ready-to-proceed projects and actual spending requirements for the 2019-21 Biennium. 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, Local Toxics Control Account)

Project Description

Saddle Rock is a popular recreational destination on the outskirts of Wenatchee. It is used for hiking, biking and equestrian activities. The property was previously owned by the Department of Natural Resources who received small mining lease payments until 1989; as a result, multiple small mining waste rock sites were created.

Ecology identified elevated levels of arsenic and other metals in these waste rock piles. There is an estimated 4,300 cubic yards of arsenic-impacted material.

A draft Cleanup Action Plan has been prepared, and these grant funds would be used to implement the cleanup.

Proviso

N/A

Location

City: Wenatchee

County: Chelan

Legislative District: 012

Project Type

Grants

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Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000212

SubProject Title: Wenatchee - City Gold Knob Prospects

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
174-1	Local Toxics Control-State	1,120,000				1,120,000
	Total	1,120,000	0	0	0	1,120,000

Future Fiscal Periods

Acct Code	Account Title	2021-23	2023-25	2025-27	2027-29
		174-1	Local Toxics Control-State	0	0
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000213

SubProject Title: Yakima - City Tiger Oil North 1st

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Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000213

SubProject Title: Yakima - City Tiger Oil North 1st

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 3

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request for \$85 million will fund pass-through grants for ready-to-proceed projects and actual spending requirements for the 2019-21 Biennium. 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, Local Toxics Control Account)

Project Description

This former Tiger Oil retail petroleum facility was purchased by the City of Yakima with the understanding that Ecology would provide grant funding to assist with cleanup.

A significant amount of site characterization has been completed but the characterization of the off-property groundwater contamination plume still needs to be completed.

This funding would be used to complete characterization of off-property groundwater contamination, evaluate remedial options, and begin remedial actions.

Proviso

N/A

Location

City: Yakima

County: Yakima

Legislative District: 015

Project Type

Grants

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Report Number: CBS002

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Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000213

SubProject Title: Yakima - City Tiger Oil North 1st

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
174-1	Local Toxics Control-State	1,215,000				1,215,000
	Total	1,215,000	0	0	0	1,215,000

Future Fiscal Periods

Acct Code	Account Title	2021-23	2023-25	2025-27	2027-29
		174-1	Local Toxics Control-State	0	0
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000214

SubProject Title: Everett - Port Weyerhaeuser Mill A

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Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000214

SubProject Title: Everett - Port Weyerhaeuser Mill A

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 3

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request for \$85 million will fund pass-through grants for ready-to-proceed projects and actual spending requirements for the 2019-21 Biennium. 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, Local Toxics Control Account)

Project Description

The Port of Everett South and Pacific Terminals area is the site of a former Weyerhaeuser log handling, pulp mill, lumber saw mill, ship building, and shingle mill. The Port purchased the site from Weyerhaeuser in 1983 for use as a terminal. An interim Cleanup Action dredging project was completed in the summer of 2016. The next steps are to develop the remedial investigation and feasibility study, develop the Cleanup Action Plan, and enter the Consent Decree. Once the Consent Decree is entered, engineering design, permitting, and cleanup construction would be completed. With this funding, cleanup construction is anticipated to begin in 2021, and will span multiple biennia.

Proviso

N/A

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

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.

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Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000214

SubProject Title: Everett - Port Weyerhaeuser Mill A

<u>Funding</u>		<u>Expenditures</u>			<u>2019-21 Fiscal Period</u>	
<u>Acct Code</u>	<u>Account Title</u>	<u>Estimated Total</u>	<u>Prior Biennium</u>	<u>Current Biennium</u>	<u>Reappropriations</u>	<u>New Appropriations</u>
174-1	Local Toxics Control-State	16,250,000				16,250,000
	Total	16,250,000	0	0	0	16,250,000
<u>Future Fiscal Periods</u>						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
174-1	Local Toxics Control-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

SubProject Number: 40000215

SubProject Title: Grays Harbor - Historical Seaport Auth. Seaport Landing

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 3

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request for \$85 million will fund pass-through grants for ready-to-proceed projects and actual spending requirements for the 2019-21 Biennium. 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, Local Toxics Control Account)

Project Description

The property is mostly paved and is the site of former industrial buildings, including a planer mill, shipping shed, and pee wee mill. A first-class destination waterfront is planned for the site following cleanup. Several remedial actions have taken place. Following completion of an in-process Remedial Investigation/Feasibility Study, a Cleanup Action Plan would be developed to address next steps.

Proviso

N/A

Location

City: Aberdeen

County: Grays Harbor

Legislative District: 019

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

Project Type

SubProject Number: 40000215

SubProject Title: Grays Harbor - Historical Seaport Auth. Seaport Landing

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
174-1	Local Toxics Control-State	1,800,000				1,800,000
	Total	1,800,000	0	0	0	1,800,000

Future Fiscal Periods

Acct Code	Account Title	2021-23	2023-25	2025-27	2027-29
174-1	Local Toxics Control-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000216

SubProject Title: Bellingham - Port Westman Marine

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000216

SubProject Title: Bellingham - Port Westman Marine

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 3

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request for \$85 million will fund pass-through grants for ready-to-proceed projects and actual spending requirements for the 2019-21 Biennium. 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, Local Toxics Control Account)

Project Description

The Westman Marine site comprised of upland and aquatic land in use since the 1950s by a series of marine boatyard repair and maintenance operations.

Environmental investigations have found upland and marine in-water contamination including petroleum hydrocarbons, volatile and semi-volatile organics, and metals. The Port and Ecology signed an Agreed Order in 2013 to conduct a Remedial Investigation (RI), Feasibility Study (FS), and develop a Cleanup Action Plan (CAP) to govern site cleanup activity.

Currently, Ecology is completing the review of the draft RI/FS and scheduling the approval of these activities by June 2018.

This project would continue the environmental cleanup process to develop a CAP and remedial design for site work, and legal settlement for the accomplishment of site cleanup goals.

Proviso

N/A

Location

City: Blaine

County: Whatcom

Legislative District: 042

Project Type

Grants

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000216

SubProject Title: Bellingham - Port Westman Marine

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
174-1	Local Toxics Control-State	2,963,000				2,963,000
	Total	2,963,000	0	0	0	2,963,000

Future Fiscal Periods

Acct Code	Account Title	2021-23	2023-25	2025-27	2027-29
174-1	Local Toxics Control-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000217

SubProject Title: Everett - City - Public Works Dept. Everett Landfill Tire Fire

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000217

SubProject Title: Everett - City - Public Works Dept. Everett Landfill Tire Fire

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 3

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request for \$85 million will fund pass-through grants for ready-to-proceed projects and actual spending requirements for the 2019-21 Biennium. 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, Local Toxics Control Account)

Project Description

The Everett Landfill Tire Fire site is about 70 acres, of which 66 acres have been filled. The City of Everett and Ecology have been working on this cleanup since 1994. The site has met the Model Toxics Control Act cleanup standards for the existing closed landfill.

The Consent Decree for the Everett Landfill was prepared to allow site redevelopment. The timing of the grant is critical to the planned redevelopment of the site.

Construction is expected by 2019 per current negotiations under the purchase agreement. The efforts and tasks provide review for a revised sampling and analysis plan to monitor the landfill during redevelopment; and for oversight of the developer for compliance with landfill gas control, groundwater protection, and integrity of the landfill cover. The tasks are all related to protecting the environment and public health and safety. The remaining work will be performing the first year of operations and maintenance of the landfill gas system designed to protect structures built on the landfill.

Proviso

N/A

Location

City: Everett

County: Snohomish

Legislative District: 038

Project Type

Grants

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000217

SubProject Title: Everett - City - Public Works Dept. Everett Landfill Tire Fire

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
174-1	Local Toxics Control-State	290,000				290,000
	Total	290,000	0	0	0	290,000

Future Fiscal Periods

Acct Code	Account Title	2021-23	2023-25	2025-27	2027-29
174-1	Local Toxics Control-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000218

SubProject Title: Bothell - City Public Works Bothell Simon and Son Fine Dry Clean

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000218

SubProject Title: Bothell - City Public Works Bothell Simon and Son Fine Dry Clean

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 3

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request for \$85 million will fund pass-through grants for ready-to-proceed projects and actual spending requirements for the 2019-21 Biennium. 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, Local Toxics Control Account)

Project Description

Former dry cleaning contaminants are in the groundwater and soil. The final Cleanup Action Plan proposes to clean up the site using thermal treatment (Electrical Resistance Heating or ERH), along with recirculating groundwater pump and treat, bioremediation, and targeted soil excavations and soil vapor extraction. Ecology and City of Bothell entered a Consent Decree in 2017 to clean up the site. Remedial Investigation, Feasibility Study, and Cleanup Action Plan have been completed and construction is beginning.

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

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.

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000218

SubProject Title: Bothell - City Public Works Bothell Simon and Son Fine Dry Clean

<u>Funding</u>		<u>Expenditures</u>			<u>2019-21 Fiscal Period</u>	
<u>Acct Code</u>	<u>Account Title</u>	<u>Estimated Total</u>	<u>Prior Biennium</u>	<u>Current Biennium</u>	<u>Reappropriations</u>	<u>New Appropriations</u>
174-1	Local Toxics Control-State	2,350,000				2,350,000
	Total	2,350,000	0	0	0	2,350,000

		<u>Future Fiscal Periods</u>			
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>
174-1	Local Toxics Control-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000219

SubProject Title: Skagit County - Port Northern State Hospital

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 3

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request for \$85 million will fund pass-through grants for ready-to-proceed projects and actual spending requirements for the 2019-21 Biennium. 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, Local Toxics Control Account)

Project Description

Focused remedial investigations have been conducted at suspected areas of contamination. This funding would allow the Port of Skagit to complete the Feasibility Study (FS) process and draft a Cleanup Action Plan (CAP). The FS would develop and evaluate cleanup action alternatives to enable a cleanup action to be selected and a CAP written. Additional funding would be necessary to implement the CAP and areas of contamination so the property can be safe for future use and support of the local economy.

Proviso

N/A

Location

City: Sedro-Woolley

County: Skagit

Legislative District: 039

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

Project Type

SubProject Number: 40000219

SubProject Title: Skagit County - Port Northern State Hospital

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
174-1	Local Toxics Control-State	368,000				368,000
	Total	368,000	0	0	0	368,000

Future Fiscal Periods

Acct Code	Account Title	2021-23	2023-25	2025-27	2027-29
		174-1	Local Toxics Control-State	0	0
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000220

SubProject Title: Bellingham - Port Cornwall Avenue Landfill

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000220

SubProject Title: Bellingham - Port Cornwall Avenue Landfill

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 3

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request for \$85 million will fund pass-through grants for ready-to-proceed projects and actual spending requirements for the 2019-21 Biennium. 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, Local Toxics Control Account)

Project Description

The former municipal landfill on the Bellingham waterfront consist of about 16 acres of contaminated upland and in-water sediment. A legal agreement between the state and Port of Bellingham (Port) requires the Port and others to design and construct the cleanup action.

The Cornwall site overlaps the adjacent RG Haley former wood treatment site. Therefore, cleanup construction for both sites must occur simultaneously to ensure a successful cleanup. The Haley site is highly contaminated with bioaccumulative chemicals and is the highest priority site to address in Bellingham Bay. The Haley site has sufficient funds to complete cleanup construction, but the Cornwall site does not.

Cleanup construction would begin, but not be completed, in the 2019-21 Biennium. Construction activities would include:

- Multi-layer upland capping system, including gas collection and discharge, and stormwater collection and discharge
- Shoreline stabilization system
- Sediment cap

The City of Bellingham plans to redevelop the Cornwall and Haley sites into a public park in conjunction with cleanup activities.

Proviso

N/A

Location

City: Bellingham

County: Whatcom

Legislative District: 040

Project Type

Grants

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000220

SubProject Title: Bellingham - Port Cornwall Avenue Landfill

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.

<u>Funding</u>		<u>Expenditures</u>			<u>2019-21 Fiscal Period</u>	
<u>Acct Code</u>	<u>Account Title</u>	<u>Estimated Total</u>	<u>Prior Biennium</u>	<u>Current Biennium</u>	<u>Reapprops</u>	<u>New Approps</u>
057-1	State Bldg Constr-State	1,777,000				1,777,000
	Total	1,777,000	0	0	0	1,777,000

<u>Funding</u>		<u>Expenditures</u>			<u>2019-21 Fiscal Period</u>	
<u>Acct Code</u>	<u>Account Title</u>	<u>Estimated Total</u>	<u>Prior Biennium</u>	<u>Current Biennium</u>	<u>Reapprops</u>	<u>New Approps</u>
174-1	Local Toxics Control-State	645,000				645,000
	Total	645,000	0	0	0	645,000

		<u>Future Fiscal Periods</u>			
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>
057-1	State Bldg Constr-State				
	Total	0	0	0	0

		<u>Future Fiscal Periods</u>			
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>
174-1	Local Toxics Control-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000221

SubProject Title: Seattle - City - Public Utilities Dept (SPU) Gas Works Park

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 3

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request for \$85 million will fund pass-through grants for ready-to-proceed projects and actual spending requirements for the 2019-21 Biennium. 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, Local Toxics Control Account)

Project Description

Gas Works Park is situated on the northern shore of Lake Union in Seattle. The Gas Works Uplands consists of the current Gas Works Park and the City of Seattle Harbor Patrol facility that has already undergone a Model Toxics Control Act approved cleanup.

The sediment Remedial Investigation/Feasibility Study (RI/FS) addresses those sediments offshore of the Gas Works Uplands that have been impacted by historical industrial practices and contamination from the gas plant, tar refinery, and other industrial activities located within the Gas Works Uplands.

Significant progress has been made on the site and Ecology is currently revising the draft site-wide RI/FS. The primary contaminants of concern at the site are polycyclic aromatic hydrocarbons (PAH), arsenic, and benzene. Non-aqueous phase liquids (NAPL) are also present beneath the site and in Lake Union. This requested funding would enable Ecology to complete the RI/FS, draft Cleanup Action Plan and have adequate funding to prepare to implement the selected remedy.

Proviso

N/A

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Grants

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000221

SubProject Title: Seattle - City - Public Utilities Dept (SPU) Gas Works Park

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	809,000				809,000
	Total	809,000	0	0	0	809,000

Future Fiscal Periods

Acct Code	Account Title	2021-23	2023-25	2025-27	2027-29
		057-1	State Bldg Constr-State	0	0
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000222

SubProject Title: Bellingham - Port I & J Waterway

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000222

SubProject Title: Bellingham - Port I & J Waterway

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 3

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request for \$85 million will fund pass-through grants for ready-to-proceed projects and actual spending requirements for the 2019-21 Biennium. 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, Local Toxics Control Account)

Project Description

This contaminated sediment in-water site on the Bellingham waterfront impacts the I & J Waterway federal channel and adjacent berthing areas. Contaminants are the result of a variety of historic industrial activities.

Funds would allow cleanup of a portion of the site that calls for future habitat restoration and upland park development.

Construction activities would remove about 18,000 cubic yards of contaminated sediment from a portion of the federal channel and the Bornstein Seafoods berthing area. This work requires removal and replacement of an existing dock and bulkhead.

Construction activities may be complete by the end of the 2019-21 Biennium.

Proviso

N/A

Location

City: Bellingham

County: Whatcom

Legislative District: 042

Project Type

Grants

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000222

SubProject Title: Bellingham - Port I & J Waterway

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	6,980,000				6,980,000
	Total	6,980,000	0	0	0	6,980,000

Future Fiscal Periods

Acct Code	Account Title	2021-23	2023-25	2025-27	2027-29
		057-1	State Bldg Constr-State	0	0
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000223

SubProject Title: Bellingham - Port Central Waterfront

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000223

SubProject Title: Bellingham - Port Central Waterfront

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 3

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request for \$85 million will fund pass-through grants for ready-to-proceed projects and actual spending requirements for the 2019-21 Biennium. 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, Local Toxics Control Account)

Project Description

This 55 acre upland site is located on the Bellingham waterfront. The primary contaminants of concern are municipal waste, landfill gases, metals, and petroleum related substances.

Construction activities would include soil removal and capping and groundwater treatment.

These activities may be complete by the end of the 2019-21 Biennium.

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

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.

461 - Department of Ecology
 Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000223

SubProject Title: Bellingham - Port Central Waterfront

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	1,895,000				1,895,000
	Total	1,895,000	0	0	0	1,895,000

Future Fiscal Periods

	2021-23	2023-25	2025-27	2027-29
057-1 State Bldg Constr-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000224

SubProject Title: Bellingham - Port Whatcom Waterway

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000224

SubProject Title: Bellingham - Port Whatcom Waterway

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 3

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request for \$85 million will fund pass-through grants for ready-to-proceed projects and actual spending requirements for the 2019-21 Biennium. 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, Local Toxics Control Account)

Project Description

This in-water site consists of over 200 acres of contaminated sediments along the Bellingham waterfront. Contamination is mainly from the former Georgia-Pacific chlor-alkali plant that discharged mercury-laden wastewater to the Bay.

A MTCA legal agreement is in place requiring the Port and others to design and construct the cleanup.

Cleanup construction for Phase 1 areas of the site was completed in 2016. Additional funds are needed to complete design for the Phase 2 areas of the site.

Design activities are expected to be complete by the end of the 2019-21 Biennium.

Proviso

N/A

Location

City: Bellingham

County: Whatcom

Legislative District: 042

Project Type

Grants

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000224

SubProject Title: Bellingham - Port Whatcom Waterway

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	2,255,000				2,255,000
	Total	2,255,000	0	0	0	2,255,000

Future Fiscal Periods

Acct Code	Account Title	2021-23	2023-25	2025-27	2027-29
		057-1	State Bldg Constr-State	0	0
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000225

SubProject Title: Seattle Public Util. Dept. Lower Duwamish Sediment Source Ctrl

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000225

SubProject Title: Seattle Public Util. Dept. Lower Duwamish Sediment Source Ctrl

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 3

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request for \$85 million will fund pass-through grants for ready-to-proceed projects and actual spending requirements for the 2019-21 Biennium. 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, Local Toxics Control Account)

Project Description

The Lower Duwamish Waterway (LDW) is a Superfund site that includes approximately five miles of the waterway extending from the southern tip of Harbor Island to the turning basin in the Seattle area. EPA has the responsibility of cleaning up the sediments in the waterway while Ecology is overseeing source control activities.

This project covers source control efforts in stormwater basins that discharges to LDW. SPU would conduct line cleaning, source tracing and other related source control activities and remediation activities. These funds are needed to ensure sources of contamination to the LDW are sufficiently controlled before in-waterway cleanup begins. Also, funds would be needed during and after completion of the active remedial actions to maximize the potential of re-contamination of the waterway. SPU would also use this grant to analyze and interpret source control data to help SPU and others to evaluate the success of source control efforts.

Proviso

N/A

Location

City: Seattle

County: King

Legislative District: 034

Project Type

Grants

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000225

SubProject Title: Seattle Public Util. Dept. Lower Duwamish Sediment Source Ctrl

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	462,000				462,000
	Total	462,000	0	0	0	462,000

Future Fiscal Periods

Acct Code	Account Title	2021-23	2023-25	2025-27	2027-29
		057-1	State Bldg Constr-State		
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000226

SubProject Title: Seattle Public Util. Dept. Lower Duwamish Sediment Remediation

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000226

SubProject Title: Seattle Public Util. Dept. Lower Duwamish Sediment Remediation

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 3

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request for \$85 million will fund pass-through grants for ready-to-proceed projects and actual spending requirements for the 2019-21 Biennium. 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, Local Toxics Control Account)

Project Description

The Lower Duwamish Waterway (LDW) Superfund site is located in the Seattle area extending five miles up the waterway from the southern tip of Harbor Island. The main contaminants of concern include polychlorinated biphenyls (PCBs), arsenic, carcinogenic polycyclic aromatic hydrocarbons (cPAHs) and dioxins/furans. Ecology and the EPA jointly entered into a legal agreement called an Administrative Order on Consent (AOC) with the Lower Duwamish Waterway Group (LDWG), a partnership formed between the City of Seattle, King County, Port of Seattle, and the Boeing Company. U.S. Environmental Protection Agency (EPA) is leading the cleanup work for the in-waterway portion of the site, and Ecology is the lead for the upland source control efforts. LDWG completed a Remedial Investigation in 2010 and Feasibility Study in 2012 under the AOC.

In this project, SPU would work together with the other three parties of LDWG to conduct a pre-remedial design study, which is expected to be complete in 2021. Also it would cover site wide pilot studies, design, construction, and implementation of institutional controls.

Proviso

N/A

Location

City: Seattle

County: King

Legislative District: 034

Project Type

Grants

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000226

SubProject Title: Seattle Public Util. Dept. Lower Duwamish Sediment Remediation

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	1,249,000				1,249,000
	Total	1,249,000	0	0	0	1,249,000

Future Fiscal Periods

Acct Code	Account Title	2021-23	2023-25	2025-27	2027-29
		057-1	State Bldg Constr-State		
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000227

SubProject Title: Grant County - Public Works Ephrata Landfill

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000227

SubProject Title: Grant County - Public Works Ephrata Landfill

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 3

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request for \$85 million will fund pass-through grants for ready-to-proceed projects and actual spending requirements for the 2019-21 Biennium. 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, Local Toxics Control Account)

Project Description

A draft Feasibility Study (FS) has been reviewed by Ecology. After a final FS is completed a Cleanup Action Plan would be drafted and submitted for public review. Cleanup activities are expected to begin in early 2019. Contamination from the drum cache and landfill activities has impacted seven hydrostratigraphic units. There are two contamination plumes that extend in several directions beyond the point of compliance. Remedial activities for the biennium would include expansion of the pilot multi-phase vapor extraction system, activation of the landfill gas extraction system, groundwater extraction from "The Hole", drilling additional extraction and monitoring wells, constructing an additional evaporation pond, and other activities in the Cleanup Action Plan. The proposed cleanup alternative is based on a 25-year restoration time frame.

Proviso

N/A

Location

City: Ephrata

County: Grant

Legislative District: 013

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.

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000227

SubProject Title: Grant County - Public Works Ephrata Landfill

<u>Funding</u>		<u>Expenditures</u>			<u>2019-21 Fiscal Period</u>	
<u>Acct Code</u>	<u>Account Title</u>	<u>Estimated Total</u>	<u>Prior Biennium</u>	<u>Current Biennium</u>	<u>Reappropriations</u>	<u>New Appropriations</u>
057-1	State Bldg Constr-State	3,525,000				3,525,000
	Total	3,525,000	0	0	0	3,525,000
<u>Future Fiscal Periods</u>						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

SubProject Number: 40000228

SubProject Title: Skagit County - Public Works Dept. Whitmarsh Landfill

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 3

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request for \$85 million will fund pass-through grants for ready-to-proceed projects and actual spending requirements for the 2019-21 Biennium. 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, Local Toxics Control Account)

Project Description

Whitmarsh Landfill was used as an unregulated dump. In 2009, Skagit County entered into an Agreed Order with Ecology. Skagit County formed a Potentially Liable Party (PLP) group to complete the Remedial Investigation/Feasibility Study in 2017 and prepare the draft Cleanup Action Plan (dCAP). The PLP group is working on the dCAP that would be completed in 2018; apply for the necessary permits in late 2018/2019; complete the engineering design report and plan to begin the construction in the summer of 2019 or 2020. Habitat restoration would also be done along the shoreline.

Proviso

N/A

Location

City: Anacortes

County: Skagit

Legislative District: 040

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

Project Type

SubProject Number: 40000228

SubProject Title: Skagit County - Public Works Dept. Whitmarsh Landfill

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	2,500,000				2,500,000
	Total	2,500,000	0	0	0	2,500,000

Future Fiscal Periods

Acct Code	Account Title	2021-23	2023-25	2025-27	2027-29
		057-1	State Bldg Constr-State	0	0
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000229

SubProject Title: Bellingham - Port Harris Ave. Shipyard

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000229

SubProject Title: Bellingham - Port Harris Ave. Shipyard

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 3

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request for \$85 million will fund pass-through grants for ready-to-proceed projects and actual spending requirements for the 2019-21 Biennium. 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, Local Toxics Control Account)

Project Description

This 10 acre contaminated upland and in-water sediment site is located on the Bellingham waterfront. Contamination is from historic shipbuilding and maintenance activities.

Current site tenants include small boat manufacturing; light manufacturing; ship repair; and dry dock.

Significant cleanup work was recently completed in a portion of the site as part of an Ecology approved interim action. Additional funds are needed to complete engineering design work to address contamination throughout the rest of the site.

Design activities are expected to be complete by the end of the 2019-21 Biennium.

Proviso

N/A

Location

City: Bellingham

County: Whatcom

Legislative District: 040

Project Type

Grants

461 - Department of Ecology
 Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000229

SubProject Title: Bellingham - Port Harris Ave. Shipyard

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	1,248,000				1,248,000
	Total	1,248,000	0	0	0	1,248,000

Future Fiscal Periods

Acct Code	Account Title	2021-23	2023-25	2025-27	2027-29
		057-1	State Bldg Constr-State		
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000230

SubProject Title: Seattle - City - Public Util. Dept. Sout Park Landfill

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000230

SubProject Title: Seattle - City - Public Util. Dept. Sout Park Landfill

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 3

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request for \$85 million will fund pass-through grants for ready-to-proceed projects and actual spending requirements for the 2019-21 Biennium. 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, Local Toxics Control Account)

Project Description

The historic South Park Landfill is located in the South Park neighborhood area of Seattle. The site encompasses several properties and was used historically for waste disposal – a landfill as early as the 1930s. At other times, parts of the site were used as automobile wrecking yards.

The potentially liable parties, SPU and South Park Property Development (SPPD), completed a Remedial Investigation, Feasibility Study, and developed a Cleanup Action Plan under an Agreed Order with Ecology.

A public comment period has been completed for these documents. A consent decree is being finalized for a portion of the site.

Funding is necessary to clean up and redevelop this property for the planned future use as a Recycling and Disposal Station which may include recycling and hazardous waste disposal. SSPD completed its cleanup as an Interim Action in 2013 and leases a portion of its property to a school bus provider. It plans to leave the remaining property to industrial clients(s) to address. These funds support the engineering design report so cleanup construction can be implemented.

Proviso

N/A

Location

City: Seattle

County: King

Legislative District: 011

Project Type

Grants

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000230

SubProject Title: Seattle - City - Public Util. Dept. Sout Park Landfill

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	50,000				50,000
	Total	50,000	0	0	0	50,000

Future Fiscal Periods

Acct Code	Account Title	2021-23	2023-25	2025-27	2027-29
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000231

SubProject Title: Tacoma - Port Parcel 15 Remediation

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000231

SubProject Title: Tacoma - Port Parcel 15 Remediation

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 3

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request for \$85 million will fund pass-through grants for ready-to-proceed projects and actual spending requirements for the 2019-21 Biennium. 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, Local Toxics Control Account)

Project Description

The cleanup site formerly operated as a log yard and sawmill from 1974 to 2011. Waste from the former ASARCO smelter was also used as ballast on the property. Heavy metal contamination seeped to the soil and surrounding surface water. The contamination has been capped and monitored and a Remedial Investigation/Feasibility Study is being completed. This project would complete an interim action.

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

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.

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000231

SubProject Title: Tacoma - Port Parcel 15 Remediation

<u>Funding</u>		<u>Expenditures</u>			<u>2019-21 Fiscal Period</u>	
<u>Acct Code</u>	<u>Account Title</u>	<u>Estimated Total</u>	<u>Prior Biennium</u>	<u>Current Biennium</u>	<u>Reappropriations</u>	<u>New Appropriations</u>
057-1	State Bldg Constr-State	1,000,000				1,000,000
	Total	1,000,000	0	0	0	1,000,000
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

SubProject Number: 40000232

SubProject Title: Port Angeles-Western Port Angeles Harbor & MTCA Design & Cleanup

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 3

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request for \$85 million will fund pass-through grants for ready-to-proceed projects and actual spending requirements for the 2019-21 Biennium. 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, Local Toxics Control Account)

Project Description

In 2008, Ecology launched an investigation of Port Angeles Harbor through the Puget Sound Initiative. The harbor sediments investigation found many types of pollutants that may pose a threat to human health and the environment, including fisheries and shellfish beds. The harbor sediments investigation showed separate sources of contamination in Western Port Angeles Harbor and the Rayonier Mill study area. Funding for the 2019-21 Biennium would produce an engineering design.

Proviso

N/A

Location

City: Port Angeles

County: Clallam

Legislative District: 024

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

Project Type

SubProject Number: 40000232

SubProject Title: Port Angeles-Western Port Angeles Harbor & MTCA Design & Cleanup

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	2,250,000				2,250,000
	Total	2,250,000	0	0	0	2,250,000

Future Fiscal Periods

Acct Code	Account Title	2021-23	2023-25	2025-27	2027-29
		057-1	State Bldg Constr-State	0	0
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000233

SubProject Title: Seattle-Port-Seattle-Tacoma Interntl Airport Lora Lake Apts

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000233

SubProject Title: Seattle-Port-Seattle-Tacoma Interntl Airport Lora Lake Apts

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 3

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request for \$85 million will fund pass-through grants for ready-to-proceed projects and actual spending requirements for the 2019-21 Biennium. 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, Local Toxics Control Account)

Project Description

The Lora Lake site is adjacent to the northwest corner of SeaTac International Airport. Contaminated sediments will be capped by filling the lake with approximately 38,500 cubic yards of clean fill, and restoring it to a wetland similar to the surrounding area. The fill will be engineered in such a way to immobilize the dioxin currently contained in the lake sediments to minimize impacts to aquatic life.

Other cleanup activities will continue to address site-wide contamination including arsenic, lead, total petroleum hydrocarbons (TPH), pentachlorophenol (PCP), carcinogenic polycyclic aromatic hydrocarbons (cPAHs), ethylbenzene, toluene, and dioxins/furans.

Proviso

N/A

Location

City: Burien

County: King

Legislative District: 033

Project Type

Grants

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000233

SubProject Title: Seattle-Port-Seattle-Tacoma Interntl Airport Lora Lake Apts

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	3,340,000				3,340,000
	Total	3,340,000	0	0	0	3,340,000

Future Fiscal Periods

Acct Code	Account Title	2021-23	2023-25	2025-27	2027-29
		057-1	State Bldg Constr-State		
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000234

SubProject Title: Tacoma-Alexander Ave Petroleum Tank Facilities

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000234

SubProject Title: Tacoma-Alexander Ave Petroleum Tank Facilities

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 3

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request for \$85 million will fund pass-through grants for ready-to-proceed projects and actual spending requirements for the 2019-21 Biennium. 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, Local Toxics Control Account)

Project Description

The site was operated as two adjacent bulk petroleum storage and distribution centers from the 1930s through the 1980s. The tank facilities occupied two parcels, one currently owned by the Port of Tacoma and the other currently owned by Mariana Properties. The Port-owned parcel is currently being leased to Puget Sound Energy for the development of a Liquefied Natural Gas facility. A Remedial Investigation/Feasibility Study has been completed and this funding would go toward developing and implementing a Cleanup Action Plan.

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

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.

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000234

SubProject Title: Tacoma-Alexander Ave Petroleum Tank Facilities

<u>Funding</u>		<u>Expenditures</u>			<u>2019-21 Fiscal Period</u>	
<u>Acct Code</u>	<u>Account Title</u>	<u>Estimated Total</u>	<u>Prior Biennium</u>	<u>Current Biennium</u>	<u>Reappropriations</u>	<u>New Appropriations</u>
057-1	State Bldg Constr-State	1,294,000				1,294,000
	Total	1,294,000	0	0	0	1,294,000
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

SubProject Number: 40000235

SubProject Title: Anacortes - Port Dakota Creek Industries Shipyard

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 3

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request for \$85 million will fund pass-through grants for ready-to-proceed projects and actual spending requirements for the 2019-21 Biennium. 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, Local Toxics Control Account)

Project Description

The site includes uplands and sediments. It has been used for industrial and shipyard activities since approximately 1879. From approximately 1925 to 1969, several above-ground storage tanks were present on the upland portion and used for bulk fuel storage and distribution.

This funding is to support final completion of the Remedial Investigation/Feasibility Study and Cleanup Action Plan for upland cleanup activities for the site. Ecology may also begin upland cleanup with this funding.

Proviso

N/A

Location

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

Location

SubProject Number: 40000235

SubProject Title: Anacortes - Port Dakota Creek Industries Shipyard

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

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	810,000				810,000
	Total	810,000	0	0	0	810,000

Future Fiscal Periods

	2021-23	2023-25	2025-27	2027-29
057-1 State Bldg Constr-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000236

SubProject Title: Seattle City Light (SCL) Lower Duwamish Waterway

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000236

SubProject Title: Seattle City Light (SCL) Lower Duwamish Waterway

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 3

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request for \$85 million will fund pass-through grants for ready-to-proceed projects and actual spending requirements for the 2019-21 Biennium. 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, Local Toxics Control Account)

Project Description

The Lower Duwamish Waterway (LDW) is a Superfund site that includes approximately five miles of waterway extending from the southern tip of Harbor Island to the turning basin in Seattle.

U.S. Environmental Protection Agency (EPA) has the responsibility of cleaning up the sediments in the waterway while Ecology is responsible for conducting source control actions.

This project covers source control efforts located within the storm water basins that discharge to the LDW.

SCL would conduct line cleaning, source tracing and other related source control and source control evaluation activities. This is needed to ensure sources of contamination to the LDW are sufficiently controlled before in-waterway cleanup begins. Also, it would be needed during and after completion of the active remedial actions to prevent the potential of re-contamination of the waterway. SCL would also use this grant to analyze and interpret source control data to help SCL and other source control efforts.

Proviso

N/A

Location

City: Seattle

County: King

Legislative District: 034

Project Type

Grants

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000236

SubProject Title: Seattle City Light (SCL) Lower Duwamish Waterway

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	720,000				720,000
	Total	720,000	0	0	0	720,000

Future Fiscal Periods

Acct Code	Account Title	2021-23	2023-25	2025-27	2027-29
		057-1	State Bldg Constr-State		
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000237

SubProject Title: Tacoma - Port Arkema Manufacturing

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000237

SubProject Title: Tacoma - Port Arkema Manufacturing

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 3

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request for \$85 million will fund pass-through grants for ready-to-proceed projects and actual spending requirements for the 2019-21 Biennium. 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, Local Toxics Control Account)

Project Description

The site includes a former chemical research and fuel storage facilities. Soil, groundwater, and sediments are contaminated. An interim Remedial Action was undertaken in 2011. A Remedial Investigation has been completed and a Feasibility Study is in process. This funding would pay for additional interim actions.

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

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	Expenditures			2019-21 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	7,500,000				7,500,000
	Total	7,500,000	0	0	0	7,500,000

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000237

SubProject Title: Tacoma - Port Arkema Manufacturing

	Future Fiscal Periods			
	2021-23	2023-25	2025-27	2027-29
057-1 State Bldg Constr-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000238

SubProject Title: Seattle-Port Seaport Environmental Prog Lower Duwamish Superfund

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 3

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request for \$85 million will fund pass-through grants for ready-to-proceed projects and actual spending requirements for the 2019-21 Biennium. 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, Local Toxics Control 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. Contamination in the LDW sediments came from many sources, including industries along the waterway and storm-water runoff from upland activities.

Most of the contamination is from activities from more than 100 years of industrial and urban use. The Port along with its partners the Lower Duwamish Waterway Group (LDWG) has been actively implementing remedial actions to address contamination in the waterway and evaluating cleanup options for over 18 years.

The contaminants of concern include arsenic, polychlorinated biphenyls (PCBs), polycyclic aromatic hydrocarbons (PAHs) and dioxins and furans. LDWG is performing pre-design work, including sampling to establish baseline conditions. LDWG is in negotiations with EPA to begin design work for a portion of the site. The design work would begin in 2019. The time frame to implement cleanup is estimated to be 17 years: 7 years of active cleanup and 10 years of monitored natural recovery. Implementation is anticipated to begin with EPA oversight in 2021.

Proviso

N/A

Location

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

Location

SubProject Number: 40000238

SubProject Title: Seattle-Port Seaport Environmental Prog Lower Duwamish Superfund

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

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	3,991,000				3,991,000
	Total	3,991,000	0	0	0	3,991,000

Future Fiscal Periods

	2021-23	2023-25	2025-27	2027-29
057-1 State Bldg Constr-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000239

SubProject Title: Seattle City Light N. Boeing Field Georgetown Steam Plant

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000239

SubProject Title: Seattle City Light N. Boeing Field Georgetown Steam Plant

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 3

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request for \$85 million will fund pass-through grants for ready-to-proceed projects and actual spending requirements for the 2019-21 Biennium. 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, Local Toxics Control Account)

Project Description

This site includes land impacted by industrial practices at the Georgetown Steam Plant (GTSP) and North Boeing Field (NBF). King County owns most of the land within NBF. Boeing leases about 117 acres of NBF property from King County and owns the improvements it has constructed on the leased property. Boeing manages numerous research, testing, and manufacturing facilities.

The GTSP property contains an old powerhouse that currently houses the Georgetown Powerplant Museum. Currently the site is under an Agreed Order with Ecology to complete a Remedial Investigation/Feasibility Study (RI/FS) and any necessary interim actions.

The primary site-wide contaminants consist of toxics metals and petroleum (gasoline, diesel, and oils). Polychlorinated biphenyls (PCBs) and carcinogenic polycyclic aromatic hydrocarbons (PAHs) are also present.

The RI phase is approaching completion. This project would help fund completion of the RI/FS.

Proviso

N/A

Location

City: Seattle

County: King

Legislative District: 011

Project Type

Grants

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000239

SubProject Title: Seattle City Light N. Boeing Field Georgetown Steam Plant

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	175,000				175,000
	Total	175,000	0	0	0	175,000

Future Fiscal Periods

Acct Code	Account Title	2021-23	2023-25	2025-27	2027-29
		057-1	State Bldg Constr-State		
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000240

SubProject Title: Tacoma - Port Earley Business Center

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000240

SubProject Title: Tacoma - Port Earley Business Center

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 3

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request for \$85 million will fund pass-through grants for ready-to-proceed projects and actual spending requirements for the 2019-21 Biennium. 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, Local Toxics Control Account)

Project Description

A shipyard and sawmill were operated on the site during World War I and World War II. Later, parts of the property were used for ship repair, dismantling, and salvage. Soil and groundwater impacts at Earley Business Center are related to spills or releases from historical business operations, leaking underground storage tanks and associated piping, and the accumulation and placement or reworking of fill/debris. The primary contaminants are metals and petroleum (gasoline, diesel, and oils). Polychlorinated biphenyls (PCBs) and carcinogenic polycyclic aromatic hydrocarbons (PAHs) are also present. The remedial investigation and feasibility study are complete. This project would provide for the development of a Cleanup Action Plan and cleanup.

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

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.

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000240

SubProject Title: Tacoma - Port Earley Business Center

<u>Funding</u>		<u>Expenditures</u>			<u>2019-21 Fiscal Period</u>	
<u>Acct Code</u>	<u>Account Title</u>	<u>Estimated Total</u>	<u>Prior Biennium</u>	<u>Current Biennium</u>	<u>Reappropriations</u>	<u>New Appropriations</u>
057-1	State Bldg Constr-State	1,548,000				1,548,000
	Total	1,548,000	0	0	0	1,548,000
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

SubProject Number: 40000241

SubProject Title: Yakima-City I-82 Exit 33A Yakima City Landfill

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 3

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request for \$85 million will fund pass-through grants for ready-to-proceed projects and actual spending requirements for the 2019-21 Biennium. 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, Local Toxics Control Account)

Project Description

The City of Yakima used this approximately 28 acre site as a landfill from 1963 to the early 1970s. It was a former log pond on the Boise Cascade Mill site. 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.

The grant money would be used to complete the site investigation at the landfill and prepare a Cleanup Action Plan. This parcel is integral to the City of Yakima’s plans to construct an east-west traffic corridor over the Yakima River.

Proviso

N/A

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

Location

SubProject Number: 40000241

SubProject Title: Yakima-City I-82 Exit 33A Yakima City Landfill

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

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	8,700,000				8,700,000
	Total	8,700,000	0	0	0	8,700,000

Future Fiscal Periods

Acct Code	Account Title	Future Fiscal Periods			
		2021-23	2023-25	2025-27	2027-29
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000242

SubProject Title: Statewide - Grant Management

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000242

SubProject Title: Statewide - Grant Management

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 3

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request for \$85 million will fund pass-through grants for ready-to-proceed projects and actual spending requirements for the 2019-21 Biennium. 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, Local Toxics Control 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

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	Expenditures			2019-21 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	1,011,000				1,011,000
	Total	1,011,000	0	0	0	1,011,000

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000242

SubProject Title: Statewide - Grant Management

	Future Fiscal Periods			
	2021-23	2023-25	2025-27	2027-29
057-1 State Bldg Constr-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000243

SubProject Title: Statewide - Integrated Planning Grants

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 3

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request for \$85 million will fund pass-through grants for ready-to-proceed projects and actual spending requirements for the 2019-21 Biennium. 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, Local Toxics Control 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

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000243

SubProject Title: Statewide - Integrated Planning 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		2019-21 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

Future Fiscal Periods

Acct Code	Account Title	2021-23	2023-25	2025-27	2027-29
		057-1	State Bldg Constr-State		
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000244

SubProject Title: Statewide - Independent Remedial Action Grants

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000244

SubProject Title: Statewide - Independent Remedial Action Grants

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 3

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request for \$85 million will fund pass-through grants for ready-to-proceed projects and actual spending requirements for the 2019-21 Biennium. 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, Local Toxics Control 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

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	Expenditures			2019-21 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	2,000,000				2,000,000
	Total	2,000,000	0	0	0	2,000,000

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000244

SubProject Title: Statewide - Independent Remedial Action Grants

	Future Fiscal Periods			
	2021-23	2023-25	2025-27	2027-29
057-1 State Bldg Constr-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000245

SubProject Title: 2019-21 Remedial Action Grants Ten-Year Financial Plan

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 3

Project Summary

Ecology manages the Remedial Action Grant (RAG) program to help local governments clean up contaminated sites in Washington. This request for \$85 million will fund pass-through grants for ready-to-proceed projects and actual spending requirements for the 2019-21 Biennium. 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, Local Toxics Control Account)

Project Description

Ten-Year Financial Plan

Proviso

N/A

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Grants

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 11:10AM

Project Number: 40000211

Project Title: 2019-21 Remedial Action Grants

SubProjects

SubProject Number: 40000245

SubProject Title: 2019-21 Remedial Action Grants Ten-Year Financial Plan

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
174-1	Local Toxics Control-State	254,000,000				
	Total	254,000,000	0	0	0	0

Future Fiscal Periods

Acct Code	Account Title	2021-23	2023-25	2025-27	2027-29
		174-1	Local Toxics Control-State	63,500,000	63,500,000
	Total	63,500,000	63,500,000	63,500,000	63,500,000

Operating Impacts

No Operating Impact

Ecology 2019-21 Biennium Budget Project List
Toxics Cleanup Program
2019-21 Remedial Action Grants
 June 8, 2018



Purpose: This list provides project details about the 2019-21 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	Recipient - City	Project	Project Description	Phase of Cleanup / Post Closure / Monitoring	Amount	Site Address	City	County	Leg. District	Lat.	Long.
1	Wenatchee - City	Gold Knob Prospects (Saddle Rock)	Saddle Rock is a popular recreational destination on the outskirts of Wenatchee. It is used for hiking, biking and equestrian activities. The property was previously owned by the Department of Natural Resources who received small mining lease payments until 1989; as a result, multiple small mining waste rock sites were created. Ecology identified elevated levels of arsenic and other metals in these waste rock piles. There is an estimated 4,300 cubic yards of arsenic-impacted material. A draft Cleanup Action Plan has been prepared, and these grant funds would be used to implement the cleanup.	Cleanup / Post Closure / Monitoring	1,120,000	Circle S and Dry Gulch Rd	Wenatchee	Chelan	12	47.400	-120.340
2	Yakima - City	Tiger Oil - North 1st	This former Tiger Oil retail petroleum facility was purchased by the City of Yakima with the understanding that Ecology would provide grant funding to assist with cleanup. A significant amount of site characterization has been completed but the characterization of the off-property groundwater contamination plume still needs to be completed. This funding would be used to complete characterization of off-property groundwater contamination, evaluate remedial options, and begin remedial actions.	Cleanup / Post Closure / Monitoring	1,215,000	1808 N 1st St	Yakima	Yakima	15	46.624	-120.512
3	Everett - Port	Weyerhaeuser Mill A (Former)	The Port of Everett South and Pacific Terminals area is the site of a former Weyerhaeuser log handling, pulp mill, lumber saw mill, ship building, and shingle mill. The Port purchased the site from Weyerhaeuser in 1983 for use as a terminal. An interim Cleanup Action dredging project was completed in the summer of 2016. The next steps are to develop the remedial investigation and feasibility study, develop the Cleanup Action Plan, and enter the Consent Decree. Once the Consent Decree is entered, engineering design, permitting, and cleanup construction would be completed. With this funding, cleanup construction is anticipated to begin in 2021, and will span multiple biennia.	Cleanup / Post Closure / Monitoring	16,250,000	3500 Terminal Ave	Everett	Snohomish	38	47.975	-122.230
4	Grays Harbor - Historical Seaport Authority	Seaport Landing - Former Weyerhaeuser Aberdeen Sawmill	The property is mostly paved and is the site of former industrial buildings, including a planer mill, shipping shed, and peewee mill. A first-class destination waterfront is planned for the site following cleanup. Several remedial actions have taken place. Following completion of an in-process Remedial Investigation/Feasibility Study, a Cleanup Action Plan would be developed to address next steps.	Cleanup Action Plan	1,800,000	500 N Custer St	Aberdeen	Grays Harbor	19	46.972	-123.798

Rank	Recipient	Project	Project Description	Phase of Cleanup	Amount	Site Address	City	County	Leg. District	Lat.	Long.
5	Bellingham - Port	Westman Marine	<p>The Westman Marine site comprised of upland and aquatic land in use since the 1950s by a series of marine boatyard repair and maintenance operations.</p> <p>Environmental investigations have found upland and marine in-water contamination including petroleum hydrocarbons, volatile and semi-volatile organics, and metals. The Port and Ecology signed an Agreed Order in 2013 to conduct a Remedial Investigation (RI), Feasibility Study (FS), and develop a Cleanup Action Plan (CAP) to govern site cleanup activity.</p> <p>Currently, Ecology is completing the review of the draft RI/FS and scheduling the approval of these activities by June 2018.</p> <p>This project would continue the environmental cleanup process to develop a CAP and remedial design for site work, and legal settlement for the accomplishment of site cleanup goals.</p>	Cleanup / Post Closure Monitoring	2,963,000	218 Mcmillan Ave	Blaine	Whatcom	42	48.992	-122.762
6	Everett - City - Public Works Department	Everett Landfill Tire Fire	<p>The Everett Landfill Tire Fire site is about 70 acres, of which 66 acres have been filled. The City of Everett and Ecology have been working on this cleanup since 1994. The site has met the Model Toxics Control Act cleanup standards for the existing closed landfill.</p> <p>The Consent Decree for the Everett Landfill was prepared to allow site redevelopment. The timing of the grant is critical to the planned redevelopment of the site.</p> <p>Construction is expected by 2019 per current negotiations under the purchase agreement. The efforts and tasks provide review for a revised sampling and analysis plan to monitor the landfill during redevelopment; and for oversight of the developer for compliance with landfill gas control, groundwater protection, and integrity of the landfill cover. The tasks are all related to protecting the environment and public health and safety. The remaining work will be performing the first year of operations and maintenance of the landfill gas system designed to protect structures built on the landfill.</p>	Cleanup / Post Closure Monitoring	290,000	2900 36th St	Everett	Snohomish	38	47.970	-122.192
7	Bothell - City - Public Works	Bothell Simon & Son Fine Dry-cleaning/Service Center	<p>Former dry cleaning contaminants are in the groundwater and soil. The final Cleanup Action Plan proposes to clean up the site using thermal treatment (Electrical Resistance Heating or ERH), along with recirculating groundwater pump and treat, bioremediation, and targeted soil excavations and soil vapor extraction. Ecology and City of Bothell entered a Consent Decree in 2017 to clean up the site. Remedial Investigation, Feasibility Study, and Cleanup Action Plan have been completed and construction is beginning.</p>	Cleanup / Post Closure Monitoring	2,350,000	18107 Bothell Way NE	Bothell	King	1	47.760	-122.210
8	Skagit County - Port	Northern State Hospital	<p>Focused remedial investigations have been conducted at suspected areas of contamination. This funding would allow the Port of Skagit to complete the Feasibility Study (FS) process and draft a Cleanup Action Plan (CAP). The FS would develop and evaluate cleanup action alternatives to enable a cleanup action to be selected and a CAP written. Additional funding would be necessary to implement the CAP and areas of contamination so the property can be safe for future use and support of the local economy.</p>	Cleanup Action Plan	367,500	2262 Thompson Dr	Sedro-Woolley	Skagit	39	48.530	-122.205

Rank	Recipient	Project	Project Description	Phase of Cleanup	Amount	Site Address	City	County	Leg. District	Lat.	Long.
9	Bellingham - Port	Cornwall Avenue Landfill	<p>The former municipal landfill on the Bellingham waterfront consist of about 16 acres of contaminated upland and in-water sediment. A legal agreement between the state and Port of Bellingham (Port) requires the Port and others to design and construct the cleanup action.</p> <p>The Cornwall site overlaps the adjacent RG Haley former wood treatment site. Therefore, cleanup construction for both sites must occur simultaneously to ensure a successful cleanup. The Haley site is highly contaminated with bioaccumulative chemicals and is the highest priority site to address in Bellingham Bay. The Haley site has sufficient funds to complete cleanup construction, but the Cornwall site does not.</p> <p>Cleanup construction would begin, but not be completed, in the 2019-21 Biennium. Construction activities would include:</p> <ul style="list-style-type: none"> • Multi-layer upland capping system, including gas collection and discharge, and stormwater collection and discharge • Shoreline stabilization system • Sediment cap <p>The City of Bellingham plans to redevelop the Cornwall and Haley sites into a public park in conjunction with cleanup activities.</p>	Cleanup / Post Closure Monitoring	2,421,500	Cornwall Ave	Bellingham	Whatcom	40	48.741	-122.492
10	Seattle - City - Public Utilities Department (SPU)	Gas Works Park Sediment Cleanup	<p>Gas Works Park is situated on the northern shore of Lake Union in Seattle. The Gas Works Uplands consists of the current Gas Works Park and the City of Seattle Harbor Patrol facility that has already undergone a Model Toxics Control Act approved cleanup.</p> <p>The sediment Remedial Investigation/Feasibility Study (RI/FS) addresses those sediments offshore of the Gas Works Uplands that have been impacted by historical industrial practices and contamination from the gas plant, tar refinery, and other industrial activities located within the Gas Works Uplands.</p> <p>Significant progress has been made on the site and Ecology is currently revising the draft site-wide RI/FS. The primary contaminants of concern at the site are polycyclic aromatic hydrocarbons (PAH), arsenic, and benzene. Non-aqueous phase liquids (NAPL) are also present beneath the site and in Lake Union. This requested funding would enable Ecology to complete the RI/FS, draft Cleanup Action Plan and have adequate funding to prepare to implement the selected remedy.</p>	Cleanup Action Plan	809,000	2000 N Northlake Way	Seattle	King	43	47.647	-122.334
11	Bellingham - Port	I & J Waterway	<p>This contaminated sediment in-water site on the Bellingham waterfront impacts the I & J Waterway federal channel and adjacent berthing areas. Contaminants are the result of a variety of historic industrial activities.</p> <p>Funds would allow cleanup of a portion of the site that calls for future habitat restoration and upland park development.</p> <p>Construction activities would remove about 18,000 cubic yards of contaminated sediment from a portion of the federal channel and the Bornstein Seafoods berthing area. This work requires removal and replacement of an existing dock and bulkhead.</p> <p>Construction activities may be complete by the end of the 2019-21 Biennium.</p>	Cleanup / Post Closure Monitoring	6,980,000	Bellwether Way	Bellingham	Whatcom	42	48.754	-122.494

Rank	Recipient	Project	Project Description	Phase of Cleanup	Amount	Site Address	City	County	Leg. District	Lat.	Long.
12	Bellingham - Port	Central Waterfront	<p>This 55 acre upland site is located on the Bellingham waterfront. The primary contaminants of concern are municipal waste, landfill gases, metals, and petroleum related substances.</p> <p>Construction activities would include soil removal and capping and groundwater treatment.</p> <p>These activities may be complete by the end of the 2019-21 Biennium.</p>	Cleanup / Post Closure Monitoring	1,895,000	F St	Bellingham	Whatcom	42	48.755	-122.490
13	Bellingham - Port	Whatcom Waterway	<p>This in-water site consists of over 200 acres of contaminated sediments along the Bellingham waterfront. Contamination is mainly from the former Georgia-Pacific chlor-alkali plant that discharged mercury-laden wastewater to the Bay.</p> <p>A MTC legal agreement is in place requiring the Port and others to design and construct the cleanup.</p> <p>Cleanup construction for Phase 1 areas of the site was completed in 2016. Additional funds are needed to complete design for the Phase 2 areas of the site.</p> <p>Design activities are expected to be complete by the end of the 2019-21 Biennium.</p>	Cleanup / Post Closure Monitoring	2,255,000	W of Holly Street Bridge	Bellingham	Whatcom	42	48.753	-122.484
14	Seattle city of - Public Utilities Department	Lower Duwamish Waterway Sediment Remediation Source Control	<p>The Lower Duwamish Waterway (LDW) is a Superfund site that includes approximately five miles of the waterway extending from the southern tip of Harbor Island to the turning basin in the Seattle area. EPA has the responsibility of cleaning up the sediments in the waterway while Ecology is overseeing source control activities.</p> <p>This project covers source control efforts in stormwater basins that discharges to LDW. SPU would conduct line cleaning, source tracing and other related source control activities and remediation activities. These funds are needed to ensure sources of contamination to the LDW are sufficiently controlled before in-waterway cleanup begins. Also, funds would be needed during and after completion of the active remedial actions to maximize the potential of re-contamination of the waterway. SPU would also use this grant to analyze and interpret source control data to help SPU and others to evaluate the success of source control efforts.</p>	Cleanup / Post Closure Monitoring	462,000	Lower Duwamish Waterway	Seattle	King	34	47.567	-122.348

Rank	Recipient	Project	Project Description	Phase of Cleanup	Amount	Site Address	City	County	Leg. District	Lat.	Long.
15	Seattle - City - Public Utilities Department (SPU)	Lower Duwamish Waterway Sediment Remediation	The Lower Duwamish Waterway (LDW) Superfund site is located in the Seattle area extending five miles up the waterway from the southern tip of Harbor Island. The main contaminants of concern include polychlorinated biphenyls (PCBs), arsenic, carcinogenic polycyclic aromatic hydrocarbons (PAHs) and dioxins/furans. Ecology and the EPA jointly entered into a legal agreement called an Administrative Order on Consent (AOC) with the Lower Duwamish Waterway Group (LDWG), a partnership formed between the City of Seattle, King County, Port of Seattle, and the Boeing Company. U.S. Environmental Protection Agency (EPA) is leading the cleanup work for the in-waterway portion of the site, and Ecology is the lead for the upland source control efforts. LDWG completed a Remedial Investigation in 2010 and Feasibility Study in 2012 under the AOC. In this project, SPU would work together with the other three parties of LDWG to conduct a pre-remedial design study, which is expected to be complete in 2021. Also it would cover site wide pilot studies, design, construction, and implementation of institutional controls.	Cleanup / Post Closure Monitoring	1,249,000	Lower Duwamish Waterway	Seattle	King	34	47.567	-122.348
16	Grant County - Public Works	Ephrata Landfill Remediation	A draft Feasibility Study (FS) has been reviewed by Ecology. After a final FS is completed a Cleanup Action Plan would be drafted and submitted for public review. Cleanup activities are expected to begin in early 2019. Contamination from the drum cache and landfill activities has impacted seven hydrostratigraphic units. There are two contamination plumes that extend in several directions beyond the point of compliance. Remedial activities for the biennium would include expansion of the pilot multi-phase vapor extraction system, activation of the landfill gas extraction system, groundwater extraction from "The Hole", drilling additional extraction and monitoring wells, constructing an additional evaporation pond, and other activities in the Cleanup Action Plan. The proposed cleanup alternative is based on a 25-year restoration time frame.	Cleanup / Post Closure Monitoring	3,525,000	Hwy 28	Ephrata	Grant	13	47.277	-119.576
17	Skagit County - Public Works Department	Whitmarsh (March Point) Landfill	Whitmarsh Landfill was used as an unregulated dump. In 2009, Skagit County entered into an Agreed Order with Ecology. Skagit County formed a Potentially Liable Party (PLP) group to complete the Remedial Investigation/Feasibility Study in 2017 and prepare the draft Cleanup Action Plan (dCAP). The PLP group is working on the permits in late 2018/2019; complete the engineering design report and plan to begin the construction in the summer of 2019 or 2020. Habitat restoration would also be done along the shoreline.	Cleanup / Post Closure Monitoring	2,500,000	1/4 Mile East of BN Whitmarsh	Anacortes	Skagit	40	48.464	-122.531
18	Bellingham - Port	Harris Avenue Shipyard	This 10 acre contaminated upland and in-water sediment site is located on the Bellingham waterfront. Contamination is from historic shipbuilding and maintenance activities. Current site tenants include small boat manufacturing; light manufacturing; ship repair; and dry dock. Significant cleanup work was recently completed in a portion of the site as part of an Ecology approved interim action. Additional funds are needed to complete engineering design work to address contamination throughout the rest of the site. Design activities are expected to be complete by the end of the 2019-21 Biennium.	Cleanup / Post Closure Monitoring	1,248,000	201 Harris Ave	Bellingham	Whatcom	40	48.720	-122.513

Rank	Recipient	Project	Project Description	Phase of Cleanup	Amount	Site Address	City	County	Leg. District	Lat.	Long.
19	Seattle - City - Public Utilities Department (SPU)	South Park Landfill	<p>The historic South Park Landfill is located in the South Park neighborhood area of Seattle. The site encompasses several properties and was used historically for waste disposal – a landfill as early as the 1930s. At other times, parts of the site were used as automobile wrecking yards.</p> <p>The potentially liable parties, SPU and South Park Property Development (SPPD), completed a Remedial Investigation, Feasibility Study, and developed a Cleanup Action Plan under an Agreed Order with Ecology.</p> <p>A public comment period has been completed for these documents. A consent decree is being finalized for a portion of the site.</p> <p>Funding is necessary to clean up and redevelop this property for the planned future use as a Recycling and Disposal Station which may include recycling and hazardous waste disposal. SSPD completed its cleanup as an Interim Action in 2013 and leases a portion of its property to a school bus provider. It plans to leave the remaining property to industrial clients(s) to address. These funds support the engineering design report so cleanup construction can be implemented.</p>	Cleanup / Post Closure Monitoring	50,000	8200 2nd Ave S	Seattle	King	11	47.530	-122.332
20	Tacoma - Port	Parcel 15 Remediation (Portac Inc)	<p>The cleanup site formerly operated as a log yard and sawmill from 1974 to 2011. Waste from the former ASARCO smelter was also used as ballast on the property. Heavy metal contamination seeped to the soil and surrounding surface water. The contamination has been capped and monitored and a Remedial Investigation/Feasibility Study is being completed. This project would complete an interim action.</p>	Cleanup / Post Closure Monitoring	1,000,000	4215 SR 509 E Frontage Rd	Tacoma	Pierce	27	47.248	-122.372
21	Port Angeles - Port and City	Western Port Angeles Harbor & MTCA Design & Cleanup Construction	<p>In 2008, Ecology launched an investigation of Port Angeles Harbor through the Puget Sound Initiative. The harbor sediments investigation found many types of pollutants that may pose a threat to human health and the environment, including fisheries and shellfish beds. The harbor sediments investigation showed separate sources of contamination in Western Port Angeles Harbor and the Rayonier Mill study area. Funding for the 2019-21 Biennium would produce an engineering design.</p>	Cleanup / Post Closure Monitoring	2,250,000	Western Port Angeles Harbor	Port Angeles	Clallam	24	48.133	-123.454
22	Seattle - Port - Seattle-Tacoma International Airport	Lora Lake Apartments	<p>The Lora Lake site is adjacent to the northwest corner of SeaTac International Airport. Contaminated sediments will be capped by filling the lake with approximately 38,500 cubic yards of clean fill, and restoring it to a wetland similar to the surrounding area. The fill will be engineered in such a way to immobilize the dioxin currently contained in the lake sediments to minimize impacts to aquatic life.</p> <p>Other cleanup activities will continue to address site-wide contamination including arsenic, lead, total petroleum hydrocarbons (TPH), polychlorinated biphenyls (PCB), carcinogenic polycyclic aromatic hydrocarbons (cPAHs), ethylbenzene, toluene, and dioxins/furans.</p>	Cleanup / Post Closure Monitoring	3,340,000	15001 Des Moines Memorial Dr	Burien	King	33	47.469	-122.322

Rank	Recipient	Project	Project Description	Phase of Cleanup	Amount	Site Address	City	County	Leg. District	Lat.	Long.
23	Tacoma - Port	Alexander Avenue Petroleum Tank Facilities	The site was operated as two adjacent bulk petroleum storage and distribution centers from the 1930s through the 1980s. The tank facilities occupied two parcels, one currently owned by the Port of Tacoma and the other currently owned by Mariana Properties. The Port-owned parcel is currently being leased to Puget Sound Energy for the development of a Liquefied Natural Gas facility. A Remedial Investigation/Feasibility Study has been completed and this funding would go toward developing and implementing a Cleanup Action Plan.	Cleanup Action Plan	1,294,000	709 Alexander Ave	Tacoma	Pierce	27	47.278	-122.402
24	Anacortes - Port	Dakota Creek Industries Shipyard	The site includes uplands and sediments. It has been used for industrial and shipyard activities since approximately 1879. From approximately 1925 to 1969, several above-ground storage tanks were present on the upland portion and used for bulk fuel storage and distribution. This funding is to support final completion of the Remedial Investigation/Feasibility Study and Cleanup Action Plan for upland cleanup activities for the site. Ecology may also begin upland cleanup with this funding.	Cleanup Action Plan	810,000	115 Q Ave	Anacortes	Skagit	40	48.520	-122.611
25	Seattle City Light (SCL)	Lower Duwamish Waterway	The Lower Duwamish Waterway (LDW) is a Superfund site that includes approximately five miles of waterway extending from the southern tip of Harbor Island to the turning basin in Seattle. U.S. Environmental Protection Agency (EPA) has the responsibility of cleaning up the sediments in the waterway while Ecology is responsible for conducting source control actions. This project covers source control efforts located within the storm water basins that discharge to the LDW. SCL would conduct line cleaning, source tracing and other related source control and source control evaluation activities. This is needed to ensure sources of contamination to the LDW are sufficiently controlled before in-waterway cleanup begins. Also, it would be needed during and after completion of the active remedial actions to prevent the potential of re-contamination of the waterway. SCL would also use this grant to analyze and interpret source control data to help SCL and other source control efforts.	Cleanup / Post Closure Monitoring	720,000	Lower Duwamish Waterway	Seattle	King	34	47.567	-122.348
26	Tacoma - Port	Arkema Manufacturing	The site includes a former chemical research and fuel storage facilities. Soil, groundwater, and sediments are contaminated. An interim Remedial Action was undertaken in 2011. A Remedial Investigation has been completed and a Feasibility Study is in process. This funding would pay for additional interim actions.	Cleanup / Post Closure Monitoring	7,500,000	2901 Taylor Way	Tacoma	Pierce	27	47.267	-122.377

Rank	Recipient	Project	Project Description	Phase of Cleanup	Amount	Site Address	City	County	Leg. District	Lat.	Long.
27	Seattle - Port - Seaport Environmental Program	Lower Duwamish Superfund	<p>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. Contamination in the LDW sediments came from many sources, including industries along the waterway and storm-water runoff from upland activities.</p> <p>Most of the contamination is from activities from more than 100 years of industrial and urban use. The Port along with its partners the Lower Duwamish Waterway Group (LDWG) has been actively implementing remedial actions to address contamination in the waterway and evaluating cleanup options for over 18 years.</p> <p>The contaminants of concern include arsenic, polychlorinated biphenyls (PCBs), polycyclic aromatic hydrocarbons (PAHs) and dioxins and furans. LDWG is performing pre-design work, including sampling to establish baseline conditions. LDWG is in negotiations with EPA to begin design work for a portion of the site. The design work would begin in 2019. The time frame to implement cleanup is estimated to be 17 years; 7 years of active cleanup and 10 years of monitored natural recovery. Implementation is anticipated to begin with EPA oversight in 2021.</p>	Cleanup / Post Closure Monitoring	3,991,000	Lower Duwamish Waterway	Seattle	King	34	47.567	-122.348
28	Seattle City Light (SCL)	North Boeing Field/Georgetown Steam Plant RI/FS	<p>This site includes land impacted by industrial practices at the Georgetown Steam Plant (GTSP) and North Boeing Field (NBF). King County owns most of the land within NBF. Boeing leases about 117 acres of NBF property from King County and owns the improvements it has constructed on the leased property. Boeing manages numerous research, testing, and manufacturing facilities.</p> <p>The GTSP property contains an old powerhouse that currently houses the Georgetown Powerplant Museum. Currently the site is under an Agreed Order with Ecology to complete a Remedial Investigation/Feasibility Study (RI/FS) and any necessary interim actions.</p> <p>The primary site-wide contaminants consist of toxic metals and petroleum (gasoline, diesel, and oils). Polychlorinated biphenyls (PCBs) and carcinogenic polycyclic aromatic hydrocarbons (PAHs) are also present.</p> <p>The RI phase is approaching completion. This project would help fund completion of the RI/FS.</p>	Feasibility Study	175,000	7370 E Marginal Way S	Seattle	King	11	47.541	-122.313
29	Tacoma - Port	Earley Business Center	<p>A shipyard and sawmill were operated on the site during World War I and World War II. Later, parts of the property were used for ship repair, dismantling, and salvage. Soil and groundwater impacts at Earley Business Center are related to spills or releases from historical business operations, leaking underground storage tanks and associated piping, and the accumulation and placement or reworking of fill/debris. The primary contaminants are metals and petroleum (gasoline, diesel, and oils). Polychlorinated biphenyls (PCBs) and carcinogenic polycyclic aromatic hydrocarbons (PAHs) are also present. The remedial investigation and feasibility study are complete. This project would provide for the development of a Cleanup Action Plan and cleanup.</p>	Cleanup / Post Closure Monitoring	1,548,000	401 Alexander Ave Business Center	Tacoma	Pierce	27	47.281	-122.409

Rank	Recipient	Project	Project Description	Phase of Cleanup	Amount	Site Address	City	County	Leg. District	Lat.	Long.
30	Yakima - City	Interstate 82 Exit 33A Yakima City Landfill	The City of Yakima used this approximately 28 acre site as a landfill from 1963 to the early 1970s. It was a former log pond on the Boise Cascade Mill site. 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. The grant money would be used to complete the site investigation at the landfill and prepare a Cleanup Action Plan. This parcel is integral to the City of Yakima's plans to construct an east-west traffic corridor over the Yakima River.	Cleanup / Post Closure Monitoring	8,700,000	Interstate 82	Yakima	Yakima	15	46.611	-120.491
31	Statewide	Grant Management	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.	All	1,011,000	Statewide	Statewide	Statewide	Statewide	Statewide	Statewide
32	Statewide	Integrated Planning Grants	Grant funding to develop plans to redevelop contaminated properties.	Plan	1,000,000	Statewide	Statewide	Statewide	Statewide	Statewide	Statewide
33	Statewide	Independent Remedial Action Grants	Grant funding to local governments who cleanup contaminated properties through Ecology's Voluntary Cleanup Program.	Cleanup / Post Closure Monitoring	2,000,000	Statewide	Statewide	Statewide	Statewide	Statewide	Statewide
Total 2019-21 Budget Request					85,089,000						

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Capital Project Request

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Report Number: CBS002

Date Run: 9/10/2018 10:43AM

Project Number: 40000208

Project Title: 2019-21 Local Solid Waste Financial Assistance (LSWFA)

Description

Starting Fiscal Year: 2020

Project Class: Grant - Pass Through

Agency Priority: 11

Project Summary

The Local Solid Waste Financial Assistance (LSWFA) Program supports essential programs that implement required local solid and hazardous waste management plans and resource conservation through waste reduction, recycling, and reuse programs. It also provides enforcement grants to help ensure compliant solid waste facilities to protect human health and the environment and reduce human exposure to toxins. Ecology is requesting \$28.2 million to continue ongoing grant funding for local solid waste management programs and enforcement activities. (Local Toxics Control Account)

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

The LSWFA Program supports the preparation and required updates of local comprehensive solid waste management plans, ongoing waste reduction and recycling programs, collection and safe management of household hazardous waste, and local health department regulatory oversight of solid waste facilities and enforcement of local solid waste codes and state regulations. LSWFA grants support innovative programs to increase organics diversion and recycling, help reduce toxic threats with product take-back programs, and safely manage household hazardous wastes, such as fertilizers, solvents, and automotive chemicals. Ecology's 2019 agency request legislation will require local governments to amend their comprehensive solid waste management plans to address the recycling crisis brought on by closure of markets in China for recyclable materials. All Washington counties will need funding to complete the plan amendments by July 1, 2021.

Ecology's objectives are to:

- Optimize safe waste management by ensuring landfills and other solid waste handling facilities are operated appropriately.
- Divert solid waste from disposal when there is an alternative.
- Reuse and recycle materials to conserve resources.
- Reduce environmental risks and greenhouse gas emissions.

These activities help protect Washington's groundwater and air, save energy, and provide jobs and new sources of recycled material for manufacturing.

WASTE MANAGEMENT

Washington has more than 800 solid waste facilities. This includes landfills, leachate lagoons, transfer stations, moderate risk waste collection facilities, compost facilities, and recycling facilities. Operating these facilities properly reduces the risks to human health and groundwater. Local health departments regulate almost all solid waste facilities in the state. They conduct permitting, provide construction oversight, and review environmental monitoring data. Ecology oversees the remaining solid waste facilities exempt from local health permitting (e.g., biosolids, material recovery, and some recycling facilities). In the 2015-17 Biennium, local health officials conducted 3,948 facility inspections statewide and resolved 5,367 illegal dumping and illegal waste storage complaints.

HOUSEHOLD HAZARDOUS WASTE AND ENERGY RECOVERY

Household hazardous waste programs assure this waste is collected and managed safely. The LSWFA Program funded collection activities and provided safe management for more than 13,123 tons of household hazardous waste in the 2015-17 Biennium, and 167 tons of this was used in exchange programs. Exchange programs allow residents to drop off and take usable household items, which reduces waste. Household hazardous waste programs reduce the risk of exposure and potential spills to the environment and illegal hazardous waste dumping that could affect stormwater. Unless otherwise noted, outcomes described in this budget request are based on information from internal database and management systems, including Administration of Grants and Loans system.

Some hazardous waste materials contain persistent bioaccumulative and toxic chemicals (e.g., mercury in thermostats and

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fluorescent bulbs), while others contain carcinogens (e.g., pesticides, cleaning agents, and solvents). Some collected chemicals are reused or recycled, like waste oil used for energy recovery, and many are safely disposed at hazardous waste landfills. Based on the 2014 and 2015 annual recycling reports, 1.1 million of barrels of used oil, or an equivalent of 22.1 million gallons of gasoline (3.2 gallons per person or 8.2 gallons per household) were collected in Washington. This avoided improper disposal in municipal solid waste landfills, illegal dumping on land or water, or improper storage, which pose dangers to people and the environment. A portion of this used oil was collected through the LSWFA Program.

RECYCLING

Recycling prevents waste, saves energy, and reduces greenhouse gas emissions that can contribute to climate change. Manufacturing processes that use recycled materials replace the need for resource extraction, which is generally a wasteful and energy-intensive process. Typically, processes using recycled materials consume between ten to 50 percent of the energy and water consumed by processes that use virgin materials. LSWFA funds support ongoing recycling operations, education, and promotion programs. During the 2014 and 2015 calendar years, close to 2.56 million tons of residential materials were collected for recycling statewide. In the 2015-17 Biennium, LSWFA-funded programs diverted 54,284 tons of materials for recycling and used in exchange programs from landfills through curbside recycling, collection events, and drop-box recycling. LSWFA-funded recycling programs reduced greenhouse gas emissions by 42,494 metric tons of carbon equivalent (MTCE). This is equivalent to removing annual emissions from 32,802 passenger vehicles. Carbon emission reductions were calculated using the U.S. Environmental Protection Agency Waste Reduction Model (WARM) (<https://www.epa.gov/warm>).

CLOSING THE LOOP ON ORGANICS

Many LSWFA projects focus on taking organic materials considered waste, such as yard and food wastes, and turning them into useful products. This has the double benefit of reducing waste and preventing outdoor burning, while creating a useful product. This work is now creating a broad base of organics projects. For example, in the 2015-17 Biennium, food recovery programs turned 378 tons of edible food into 400,680 pre-packed meals that fed Washingtonians, instead of getting landfilled. Other projects diverted 186,310 tons of organic material (not including edible food) from the landfill, turning it into compost and other useful soil amendments. These amendments improve soil quality, create cleaner stormwater, and eliminate or reduce the need for pesticides and fertilizers, which are often toxic.

The LSWFA Program supports everything from home composting bins to regional composting facilities. Composting yard waste and other organic materials results in a useable product and keeps those materials out of landfills, which reduced greenhouse gas emissions by 18,749 MTCE in the 2015-17 Biennium. This is equivalent to removing annual emissions from 14,473 passenger vehicles.

ELIMINATING WASTE THROUGH PREVENTION

The most cost-effective way to handle waste is not a matter of which technology is used to manage it, but how waste can be prevented in the first place. Prevention reduces the amount of materials, chemicals, and energy needed to produce and transport products. LSWFA funds programs like food waste recovery, where counties collaborate with local food banks to keep food waste out of landfills and provide useable food for low income citizens. LSWFA also funds programs that reuse materials, such as construction debris. Preventing waste is the smartest, cheapest, and healthiest way to protect human health and the environment.

What opportunity or problem is driving this request?

Washington's total waste generation per capita continues to increase, from 6.25 pounds per capita per day of municipal solid waste in calendar year 1999 to 6.90 pounds per capita per day in 2015. Waste generation includes all recovered and disposed materials, like recycling, organics, landfilled and incinerated. LSWFA-supported programs help effectively manage, and ultimately reduce, the growing and evolving waste stream.

LSWFA funding supports ongoing waste reduction and recycling programs and oversight of solid waste facilities. From 1999 to 2015, municipal solid waste disposal (all the waste from homes and businesses sent to landfills or incinerators) decreased from

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Description

4.21 pounds per person per day to 3.76 pounds per person per day, while recycling increased during that time period from 2.04 pounds per person per day to 3.14 pounds per person per day. This reduction in disposal and increase in recycling is due in part to the support provided by the LSWFA Program. As of calendar year 2016, 88.2 percent of residents had access to curbside recycling. Local governments need LSWFA funding to continue curbside recycling, especially in light of the recent recycling restrictions enacted by the Chinese government.

In 2017, the Chinese government announced new regulations on imported recyclables, known as the Blue Sky 2018 initiative. Effective January 1, 2018, China no longer allows importation of low-grade post-consumer plastics (plastic codes 3-7) and unsorted paper (mixed waste paper). Beginning in March 2018, the Chinese government also imposed a strict 0.5 percent limit on the amount of contamination allowed in imported recyclables.

Since Washington is a national leader in the collection of recyclable materials, the new restrictions have significant impacts on our state, particularly on municipalities. Local governments are working with Ecology and other leaders in the recycling industry to streamline recycling, find new markets for the state's recyclable commodities, and identify long-term strategies to build a more sustainable recycling system. Due to the new stringent requirements, local governments are having to give some recycling companies permission to dispose of recyclables in landfills if no market can be found for them. This request specifically helps to address this changing market dynamic by providing local governments funding to amend their comprehensive solid waste management plans to reduce the types of recyclable materials accepted in the current waste stream and to develop new markets and end uses for material that once went to China. In addition, Ecology's 2019 agency request legislation and related operating budget request further this effort by creating a market development center to incentivize companies to develop local recycling facilities in Washington.

Chapter 70.95 RCW requires Ecology to provide financial assistance to local governments to implement solid waste regulations. RCW 70.105D.070 (4) (a) of the Model Toxics Control Act (MTCA), established the process and mechanism for financial assistance. MTCA states, in part, that Ecology "...shall use moneys deposited in the local toxics control account for grants or loans to local governments for the following purposes in descending order of priority: (i) Extended grant agreements... (ii) Remedial actions... (iii) Storm water pollution... (iv) Hazardous waste plans and programs... (v) Solid waste plans and programs... (vi) Petroleum-based plastic or expanded polystyrene foam debris cleanup."

WAC 173-312-010 establishes the purpose and requirements for the LSWFA Program to provide grants to local governments for local hazardous and solid waste plans and programs.

RCW 70.95.020, the Solid Waste Management Act, assigns primary responsibility for managing and regulating solid waste handling to local government. It also encourages developing and operating waste recycling facilities and requires Ecology to provide technical and financial assistance to local governments in planning, developing, and conducting solid waste handling programs.

RCW 70.95.130, financial aid to counties and cities, directs Ecology to provide financial aid for solid waste planning activities.

RCW 70.95.180, permit for solid waste handling facility – applications, fee, establishes the jurisdictional health department as the entity to investigate and permit solid waste handling facilities.

RCW 70.95.220, financial aid to jurisdictional health departments, provides a mechanism for financial aid from Ecology for enforcing solid waste management rules and regulations.

What are the specific benefits of this project?

Projects funded with LSWFA provide many benefits to Washington's citizens: protecting human health by removing household hazardous wastes from homes; inspecting solid waste facilities and enforcing solid waste facility rules; investigating and trying to deter illegal dumps; promoting and improving recycling; and providing information on less toxic alternatives. Less direct benefits include promoting energy and resource conservation through recycling and composting. These activities decrease airborne toxics and carcinogens that result from energy production, limit greenhouse gas emissions, and create green jobs. The LSWFA Program supported more than 1,000 jobs through local recycling, organics, and food recovery programs in the 2015-17

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Description

Biennium (based on job production estimates of a 2011 study, More Jobs, Less Pollution: Growing the Recycling Economy in the U.S., prepared by Tellus Institute with Sound Resource Management.)

In the 2015-17 Biennium, LSWFA-supported local programs kept 13,123 tons of household and business hazardous waste out of Washington's rivers, streams, and groundwater. Approximately 2.56 million tons of residential recyclable material was collected statewide. In addition, Local LSWFA-funded programs diverted 54,284 tons of recyclable materials from landfills.

LSWFA funds also create a broad base of organics projects that turn yard and food waste into compost and other useful soil amendments. In the 2015-17 Biennium, recycling and organics (including edible foods) diversion through LSWFA reduced greenhouse gas emissions by 61,676 metric tons of carbon equivalent or saved the equivalent of 719,060 million British Thermal Units (BTUs) based on WARM.

Projects that promote organics recycling include food waste and backyard composting, making use of composted products, and other natural yard care techniques. They increase the quality and productivity of soil and reduce soil erosion, water requirements, and the need for fertilizers and weed and pest control chemicals.

LOCAL GOVERNMENT RESULTS

Local recycling programs are the key players behind Washington's leading national recycling rate. The LSWFA Program played a pivotal role in financing these programs. For example, there were 3.9 million tons of materials recovered for recycling and reuse from municipal solid waste in calendar year 2015. Today, LSWFA-funded projects are refining the success of existing local projects and pioneering the next wave of waste prevention.

Examples of self-reported local projects planned, and the anticipated outcomes in the 2017–19 grant cycle are:

-Grant County will continue programs that properly manage 52 tons of moderate risk waste, reduce waste and recycle 995 tons, and divert 15 tons of organics from the waste stream. The County also expects to update their local solid waste management plan.

-Whatcom County will properly collect and manage an estimated 500 tons of moderate risk waste from about 20,000 residential and commercial customers.

-Clallam County will monitor 13 permitted solid waste handling facilities and assess non-permitted sites for compliance with rules and regulations. The County also expects to investigate and resolve 150 solid waste complaints and will attempt to prevent solid waste violations by conducting education and outreach.

-Thurston County will monitor 15 permitted solid waste facilities for compliance. The County expects to receive 250 solid waste complaints that will require 350 inspections, including follow-up visits, resulting in resolution of 150 complaints in an 18-month period.

-Douglas County will support county-wide recycling and household hazardous waste programs, resulting in 752 tons of properly managed material, and complete a revision of their local solid waste management plan.

-Cowlitz County will operate a moderate risk waste facility and conduct collection events for residents of Cowlitz and Wahkiakum Counties to safely drop off 325 tons of moderate risk waste that will then get properly managed.

This request will also provide economic benefits to the state by creating up to 16 jobs during the next two years, based on Office of Financial Management estimates.

What are the effects of non-funding?

Many smaller, less populated counties (Columbia County, Garfield County, Wahkiakum County) run very small solid waste systems (drop boxes) that do not generate significant revenue to pay for the collection of garbage and recyclable material.

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:43AM

Project Number: 40000208

Project Title: 2019-21 Local Solid Waste Financial Assistance (LSWFA)

Description

Without funding, local waste management and prevention functions would shut down in almost all less-populous counties. There would be little or no regulatory oversight of solid waste facilities and a statewide drop in recycling and household hazardous waste programs. During the past two biennia, many of these counties closed their Household Hazardous Waste (HHW) facilities, or did not staff them. Also, there would be fewer resources available to support small communities in their efforts to develop and maintain infrastructure and strategies to reduce disposal of solid waste.

The LSWFA Program supports ongoing waste prevention and reduction throughout Washington at the local level, which plays a significant role in providing green jobs that contribute to growing a green economy, and reducing greenhouse gases. In the 2015-17 Biennium, LSWFA projects supported more than 1,000 jobs through local recycling, organics, and food recovery programs. The LSWFA Program provides funding opportunities for all communities to become actively engaged in climate change solutions. Without this funding, waste prevention and reduction efforts would stall, more greenhouse gases would be released, and there would be fewer green jobs in Washington State.

With the recent import restrictions from the Chinese government, the management of recyclable material has been severely impacted. Many local governments are now faced with finding new markets for their materials, limiting what is collected at curbside for recycling, and educating the public about changes in recycling practices. This funding is critical to these efforts.

Why is this the best option or alternative?

The LSWFA Program was established in 1989. This grant program has been instrumental in helping local governments develop and maintain programs and services to help Washington citizens reduce, recycle, and prevent waste and properly dispose of hazardous waste. LSWFA monies are being used to reduce waste and toxics, and safely handle what remains.

The LSWFA Program is an established mechanism for distributing state funds. Without state funding, there would be a reduction in services and increased costs to Washington citizens, both monetarily and environmentally. For example, with limited or no funding, local governments may have reduced hours of operation or may eliminate their HHW facilities entirely, and likely cease holding mobile collection events, leading to increased illegal or improper disposal of these materials. There would be less oversight and inspection of solid waste facilities, decreasing environmental protection and increasing risks to human health (e.g., drinking water contamination, vermin habitat/food sources, fire hazards, odors, and physical hazards).

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

The LSWFA Program supports more than 100 ongoing, local recycling, household hazardous waste, and regulatory oversight programs. Funding supports innovative grants that implement statewide priorities involving waste reduction, reuse, recycling, composting, and reducing human exposure to toxic chemicals. This request will invest further in LSWFA-funded programs to address current problems with the curbside recycling program. Local health jurisdictions will be able to maintain the staff needed to inspect solid waste handling facilities and enforce solid waste regulations as required by RCW 70.95.180. Many county solid waste programs do not receive any portion of the tipping fees a county may collect. Several counties have suspended their solid waste enforcement program and laid off staff due to LSWFA reductions over the past two biennia. Many counties are unable to run solid waste enforcement programs without LSWFA.

LSWFA funding was significantly reduced in the 2015-2017 and 2017-2019 biennia, and the impacts have been felt statewide. Ecology surveyed grant recipients on the impacts of those reductions to local solid waste management programs. Forty-four local government entities responded, many with impacts in multiple categories:

- 43 percent have laid off staff or held vacancies.
- 41 percent reduced or eliminated recycling programs and education and outreach on recycling.
- 23 percent conducted no inspections of solid waste facilities or enforcement actions.
- 18 percent raised fees/taxes (where the county has taxing authority.)
- 14 percent closed Household Hazardous Waste (HHW) facilities or discontinued collection of HHW.
- 14 percent reported an increase in illegal dumping complaints.
- 11 percent reduced the hours of operations at their solid waste facilities.

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Description

Specific examples include:

- Douglas County suspended household hazardous waste (HHW) events, including tires and battery collection, suspended community recycling collections, and reduced their staffing.
- Lincoln and Pacific Counties reduced services at solid waste facilities and will stop HHW collections when current funds run out.
- Kittitas County maintained some oil collection and suspended the remainder of their moderate risk waste program indefinitely.
- Clallam, Tacoma-Pierce, and Wahkiakum's health departments have suspended, reduced, or limited solid waste enforcement work, resulting in staff reductions or relocating existing staff to other duties.

If funding is restored to \$28.2 million in 2019-21, service levels will improve, and LSWFA-funded programs will continue the great accomplishments achieved when the program was fully funded. For example, in the 2013-15 Biennium, \$28.2 million produced the following outcomes:

- **5,646** facility inspections
- **8,818** illegal dumping and illegal waste storage complaints resolved
- **29,147** businesses and citizen technical assistance interactions
- **12,679** tons of household hazardous materials recycled or safely disposed
- **255,345** tons of recyclables diverted from landfills
- **188,531** tons of organics diverted from landfills

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

Traditionally, the LSWFA Program has been funded by the Local Toxics Control Account (LTCA). But, due to the MTCA revenue shortfall in the last two biennia, the enacted budgets funded the program with the State Building Construction Account. Ecology is requesting LTCA funding for the 2019-21 Biennium because RCW 70.105D.070 (4) explicitly authorizes this work to be funded by the account. Local governments are required to provide a 25 percent match, so the requested \$28.2 million for this project will leverage \$37.6 million combined state and local dollars.

Are FTEs required to support this project?

Ecology FTEs that support this work are in the operating budget.

How does the project support the agency and statewide results?

This request supports Ecology's strategic priority to Prevent and Reduce Toxic Threats by:

- Keeping hazardous wastes from being stored or disposed of improperly and polluting Washington's surface and groundwater.
- Promoting energy and resource conservation through waste reduction, reuse, recycling, and composting.
- Promoting use of less toxic alternatives.

These efforts decrease emissions of airborne toxics and carcinogens from energy production and also limit greenhouse gas emissions.

This request provides essential support to two of the Governor's Results Washington goals:

Goal 3: Sustainable Energy and Clean Environment by reducing greenhouse gas (GHG) emissions through recycling and composting. Using recycled materials for manufacturing reduces energy needs and the associated GHGs. Composting diverts organic material from landfills, where they create methane, a potent GHG. During the 2015-17 Biennium, LSWFA-supported

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Description

programs diverted 54,284 tons of recyclables, 186,310 tons of organic material, and 378 tons of edible food from landfills, and reduced GHG by 61,676 metric tons of carbon equivalent.

In calendar year 2015, recycling materials, instead of sending them to landfills, helped avoid emitting 2.8 million tons of GHG into the atmosphere. Also, recycling saved enough energy to power nearly one million homes for a year (over one-third of the households in Washington). Some organics programs divert woody waste to bioenergy facilities, which reduces dependence on fossil fuels. Composting also reduces leachate in landfills. Leachate, or “garbage juice” contains toxic chemicals and must be managed in wastewater treatment facilities. This request also promotes reduction and safe management of toxic products by funding collection and safe disposal of unused products and encouraging the use of safer, less-toxic alternatives.

Goal 4, Healthy and Safe Communities by funding local hazardous and solid waste plans and programs. Local government is responsible for managing and regulating solid waste handling facilities to make sure they are safely and properly run.

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

LSWFA-funded programs provide indirect benefits to many other governmental bodies. Solid waste management requires coordination between local governments and the state. LSWFA funding complements the Puget Sound Partnership and Ecology’s Water Quality Program activities by supporting local government projects that protect and restore Puget Sound and other water bodies, including groundwater, which is the source of drinking water for over half of Washington’s citizens. It also supports Ecology’s Hazardous Waste and Toxic Reduction Program’s efforts to eliminate hazardous waste and reduce the use of toxic products. Properly managing solid waste facilities also prevents future cleanup sites.

What is the impact on the state operating budget?

The LSWFA Program is supported by 5.9 FTEs in the operating base budget.

Proviso

N/A

Project Type

Grants

Grant Recipient Organization: Local Governments Statewide

RCW that establishes grant: Chapter 70.105D RCW

Application process used

LSWFA is a formula-based grant program. Funds are distributed using a fixed amount, plus per capita for each eligible local government applicant. All funds are disbursed at the onset of the grant period. Applications are submitted and screened based on the following elements: applicant is an eligible local government; proposed projects must be included in the local solid or hazardous waste management plan or enforces rules and regulations governing solid waste handling; projects will produce a measurable outcome; and local need for the project is confirmed.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
174-1	Local Toxics Control-State	141,000,000				28,200,000
	Total	141,000,000	0	0	0	28,200,000

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Project Title: 2019-21 Local Solid Waste Financial Assistance (LSWFA)

Funding

		Future Fiscal Periods			
		2021-23	2023-25	2025-27	2027-29
174-1	Local Toxics Control-State	28,200,000	28,200,000	28,200,000	28,200,000
	Total	28,200,000	28,200,000	28,200,000	28,200,000

Operating Impacts

No Operating Impact

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 9:11AM

Project Number: 40000117

Project Title: 2019-21 Eastern Washington Clean Sites Initiative

Description

Starting Fiscal Year: 2020

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. (State Building Construction Account)

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

Ecology is requesting \$12.1 million for the 2019-21 Eastern Washington Clean Sites Initiative 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.

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 either from exposure to contaminated soil, contaminated groundwater and drinking water, or contaminated marine water and sediment that pose human health risks from consuming fish and shellfish, 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: Information from the remedial investigation and feasibility study are included in a cleanup action plan that describes cleanup standards, methods, 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. At this phase, projects are ready to proceed if they are in one of the following phases; they are in construction; they have permits or are in the permitting process; their design is complete or underway; or they 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.

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Description

In 2013, there were significant changes 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.170). 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 regulatory process used (formal 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 using model remedies and developing tools and policies to help achieve cleanup faster.

Financial certainty for cleanup project development is critical to ensure existing projects are completed as envisioned, and new projects can be planned and designed to maximize environmental and public health improvements and economic development opportunities.

2. Applying 2017-19 budget prioritization criteria.

The 2017-19 budget 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 two 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. Considering, for instance, 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 54 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, ongoing 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.

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Project Number: 40000117

Project Title: 2019-21 Eastern Washington Clean Sites Initiative

Description**Why is this the best option or alternative?**

This work has traditionally received MTCA funding. Revenue projections for the MTCA accounts in the 2019-21 Biennium are not enough to support all of the cleanup needs, so Ecology is requesting State Building Construction Account (SBCA) funding to support this important work in 2019-21. Funding with bonds 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?

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

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

Traditionally, the Eastern Washington Clean Sites Initiative has been funded by the Model Toxics Control Act (MTCA) accounts. The Hazardous Substance Tax (HST) is the primary revenue source for MTCA, and taxes are collected on the first possession of certain hazardous substances (taxed at 7/10 of one percent of the value of the product). Petroleum makes up about 90 percent of the revenue collected with the HST. According to the Office of Financial Management, the HST is Washington's most volatile tax [1].

[1] *Table 2: Average Annual Percentage of Change of Washington Major Tax Sources* (p.8), Office of Financial Management, *Washington State Model Toxics Control Act Accounts*; November 2016.

The price of crude oil began dropping after the summer of 2014, which resulted in a correlated and significant decrease in HST revenue. Prior to the downward plunge in oil prices, MTCA revenue collections were around \$200 million a year from 2012 through 2014. Collections dropped to \$113 million in 2016, and \$124 million in 2017. MTCA fund balances have not been able to support the demand for toxic site cleanups over the last two biennia, and even with the \$60 million in bond backfill funding provided in 2017-19, there will still be a funding gap next biennium.

MTCA funding is now used in operating and capital budgets at 11 state agencies, and its use has greatly expanded over time. While HST revenue collections are projected to be \$159 million a year in 2019-21, with the operating budget carryforward and capital reappropriation demands next biennium, projected MTCA fund balances are insufficient to meet new cleanup needs. Ecology requests funding from the State Building Construction Account to help bridge the gap until MTCA capacity returns.

In addition to the MTCA revenue shortfalls, the pressure on operating funds during the Great Recession resulted in multiple fund shifts. Enacted budgets permanently shifted \$75 million of General Fund-State (GF-State) work in state agencies' operating budgets to MTCA accounts. Although these fund shifts preserved some core environmental work, they also further eroded MTCA funding capacity for toxics work.

Ecology has a separate operating request to restore \$64 million GF-State that was shifted to MTCA accounts in Ecology's budget. Shifting the funding back to GF-State will free up MTCA dollars for additional capital investments.

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 by supporting the priority to Prevent and Reduce Toxic Threats. 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 budget and economic priorities by investing funds to protect public health and natural resources. This request will also support Results Washington Goal 3, Sustainable Energy and a Clean

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Project Title: 2019-21 Eastern Washington Clean Sites Initiative

Description

Environment, by cleaning up and managing contaminated sites that pose threats to public health, the environment, groundwater, and fish and wildlife resources.

Specifically:

Goal-topic: Clean and Restored Environment – Sub-topic: Healthy Lands.

Outcome Measure 3.1 – Increase the number of contaminated sites cleaned up by 17 percent from 5,815 to 6,803 by 2020.

Leading Indicator 3.1.a – Increase number of contaminated brownfield sites returned to economically productive use from 476 to 1,090 by 2020.

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	52,110,000				12,110,000
	Total	52,110,000	0	0	0	12,110,000
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	

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Project Title: 2019-21 Eastern Washington Clean Sites Initiative

Funding

		Future Fiscal Periods			
		2021-23	2023-25	2025-27	2027-29
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

SubProjects

SubProject Number: 40000118

SubProject Title: Colville Post and Poles

Starting Fiscal Year: 2020

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. (State Building Construction Account)

Project Description

Wood, primarily fence posts and rails, was treated (1940s–2005) at this site adjacent to the Colville River. Pentachlorophenol (PCP) and diesel leaked to the ground from a 10,000-gallon above-ground storage tank, associated piping, and drip and drying pads. The feasibility study was recently submitted. Funding would be needed to implement a cleanup action plan to remediate PCP, petroleum, metals, and dioxins/furans.

Proviso

N/A

Location

City: Colville

County: Stevens

Legislative District: 007

Project Type

Grants

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Project Number: 40000117

Project Title: 2019-21 Eastern Washington Clean Sites Initiative

SubProjects

SubProject Number: 40000118

SubProject Title: Colville Post and Poles

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	10,000,000				10,000,000
	Total	10,000,000	0	0	0	10,000,000

Future Fiscal Periods

	2021-23	2023-25	2025-27	2027-29
057-1 State Bldg Constr-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000119

SubProject Title: Frank Wear Cleaners

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Project Number: 40000117

Project Title: 2019-21 Eastern Washington Clean Sites Initiative

SubProjects

SubProject Number: 40000119

SubProject Title: Frank Wear Cleaners

Starting Fiscal Year: 2020

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. (State Building Construction Account)

Project Description

This site is a former dry cleaner that contaminated soil and groundwater with tetrachloroethylene (PCE). The site is adjacent to a daycare. A soil vapor extraction system (SVE) is currently operating to protect the daycare from vapor intrusion and remove contaminant from the vadose zone. Funds would support the continued operation and maintenance of the SVE. Additional work would also be remedial investigation, as data gaps have been identified.

Proviso

N/A

Location

City: Yakima

County: Yakima

Legislative District: 014

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			2019-21 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reappropriates	New Appropriates
057-1	State Bldg Constr-State	250,000				250,000
	Total	250,000	0	0	0	250,000

		Future Fiscal Periods			
		2021-23	2023-25	2025-27	2027-29
057-1	State Bldg Constr-State				
	Total	0	0	0	0

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Project Number: 40000117

Project Title: 2019-21 Eastern Washington Clean Sites Initiative

SubProjects

SubProject Number: 40000119

SubProject Title: Frank Wear Cleaners

Operating Impacts

No Operating Impact

SubProject Number: 40000120

SubProject Title: Pasco Landfill

Starting Fiscal Year: 2020

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. (State Building Construction Account)

Project Description

Zone A of the landfill has 35,000 drums of flammable hazardous substances that are/have been leaking to groundwater. Evidence shows the hazardous substances are or have already been burning in the landfill. Ecology is seeking drum removal by the potentially liable parties. Additional outside resources may be needed to evaluate the drum removal plan.

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

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Project Title: 2019-21 Eastern Washington Clean Sites Initiative

SubProjects

SubProject Number: 40000120

SubProject Title: Pasco Landfill

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	150,000				150,000
Total		150,000	0	0	0	150,000

Future Fiscal Periods

	Account Title	2021-23	2023-25	2025-27	2027-29
057-1	State Bldg Constr-State				
Total		0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000121

SubProject Title: Central Regional Office (CRO) Assessment Sites

Starting Fiscal Year: 2020

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. (State Building Construction Account)

Project Description

Assessment work at up to 25 low-complexity sites in CRO. Primarily direct-push investigations of soil and groundwater, with potential for limited monitoring well installation and sampling at some sites.

Proviso

N/A

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Grants

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Project Number: 40000117

Project Title: 2019-21 Eastern Washington Clean Sites Initiative

SubProjects

SubProject Number: 40000121

SubProject Title: Central Regional Office (CRO) Assessment Sites

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	560,000				560,000
	Total	560,000	0	0	0	560,000
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State	0	0	0	0	
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

SubProject Number: 40000123

SubProject Title: Northport Remedial Investigation / LeRoi Co Smelter

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 9:11AM

Project Number: 40000117

Project Title: 2019-21 Eastern Washington Clean Sites Initiative

SubProjects

SubProject Number: 40000123

SubProject Title: Northport Remedial Investigation / LeRoi Co Smelter

Starting Fiscal Year: 2020

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. (State Building Construction Account)

Project Description

Ecology is funding investigation and probable cleanup of lead and arsenic soil/sediment contamination on and near the public beach in Northport. The contamination resulted from metal smelting. Currently, the site is in the investigation stage, but would need funding for cleanup.

Proviso

N/A

Location

City: Northport

County: Stevens

Legislative District: 007

Project Type

Grants

Grant Recipient Organization: N/A

RCW that establishes grant: N/A

Application process used

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Expenditures			2019-21 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reappropr	New Approps
057-1	State Bldg Constr-State	400,000				400,000
	Total	400,000	0	0	0	400,000
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State	0	0	0	0	
	Total	0	0	0	0	

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 9:11AM

Project Number: 40000117

Project Title: 2019-21 Eastern Washington Clean Sites Initiative

SubProjects

SubProject Number: 40000123

SubProject Title: Northport Remedial Investigation / LeRoi Co Smelter

Operating Impacts

No Operating Impact

SubProject Number: 40000124

SubProject Title: Stubblefield Salvage Yard

Starting Fiscal Year: 2020

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. (State Building Construction Account)

Project Description

Former metal salvaging business in Walla Walla that requires a remedial investigation. Contaminants found during the Site Hazard Assessment include petroleum products, brake fluid, lead/acid from batteries, and polycyclic aromatic hydrocarbons (PAHs). The site is near Mill Creek.

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

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 9:11AM

Project Number: 40000117

Project Title: 2019-21 Eastern Washington Clean Sites Initiative

SubProjects

SubProject Number: 40000124

SubProject Title: Stubblefield Salvage Yard

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	500,000				500,000
Total		500,000	0	0	0	500,000

Future Fiscal Periods

	Future Fiscal Periods			
	2021-23	2023-25	2025-27	2027-29
057-1 State Bldg Constr-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000125

SubProject Title: Marshall Landfill

Starting Fiscal Year: 2020

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. (State Building Construction Account)

Project Description

Volatile organic compounds (VOCs), petroleum, metals, pesticides, and herbicides are in soil and groundwater at this closed landfill. One cell was covered with a sand layer, and another has a passive gas venting system and clay cover that is failing in spots where waste is exposed. Draft Remedial Investigation/Feasibility Study (RI/FS) is ready for public comment, and Ecology would need funding to complete cleanup and long-term monitoring.

Proviso

N/A

Location

City: Unincorporated

County: Spokane

Legislative District: 006

Project Type

461 - Department of Ecology
 Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 9:11AM

Project Number: 40000117

Project Title: 2019-21 Eastern Washington Clean Sites Initiative

SubProjects

Project Type

SubProject Number: 40000125

SubProject Title: Marshall Landfill

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		2019-21 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
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State	0	0	0	0	
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

SubProject Number: 40000181

SubProject Title: 2019-21 Eastern Washington Clean Sites Initiative Ten-Year Plan

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 9:11AM

Project Number: 40000117

Project Title: 2019-21 Eastern Washington Clean Sites Initiative

SubProjects

SubProject Number: 40000181

SubProject Title: 2019-21 Eastern Washington Clean Sites Initiative Ten-Year Plan

Starting Fiscal Year: 2020

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. (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: 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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	40,000,000				
	Total	40,000,000	0	0	0	0

Future Fiscal Periods

Acct Code	Account Title	Future Fiscal Periods			
		2021-23	2023-25	2025-27	2027-29
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

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 9:11AM

Project Number: 40000117

Project Title: 2019-21 Eastern Washington Clean Sites Initiative

SubProjects

SubProject Number: 40000181

SubProject Title: 2019-21 Eastern Washington Clean Sites Initiative Ten-Year Plan

No Operating Impact

Ecology 2019-21 Biennium Budget Project List
Toxics Cleanup Program
Eastern Washington Clean Sites Initiative
 June 8, 2018



Purpose: This list provides project details about the 2019-21 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	Project Description	Phase of Cleanup	Amount	Site Address	City	County	Leg. District	Lat.	Long.
1	Colville Post and Poles	Wood, primarily fence posts and rails, was treated (1940s-2005) at this site adjacent to the Colville River. Pentachlorophenol (PCP) and diesel leaked to the ground from a 10,000-gallon above-ground storage tank, associated piping, and drip and drying pads. The feasibility study was recently submitted. Funding would be needed to implement a cleanup action plan to remediate PCP, petroleum, metals, and dioxins/furans.	Cleanup / Post Closure Monitoring	10,000,000	Hwy 395	Colville	Stevens	7	48.58	-117.96
2	Frank Wear Cleaners	This site is a former dry cleaner that contaminated soil and groundwater with tetrachloroethylene (PCE). The site is adjacent to a daycare. A soil vapor extraction system (SVE) is currently operating to protect the daycare from vapor intrusion and remove contaminant from the vadose zone. Funds would support the continued operation and maintenance of the SVE. Additional work would also be remedial investigation, as data gaps have been identified.	Cleanup / Post Closure Monitoring	250,000	106 S 3rd Avenue	Yakima	Yakima	14	46.60	-120.51
3	Pasco Landfill	Zone A of the landfill has 35,000 drums of flammable hazardous substances that are/have been leaking to groundwater. Evidence shows the hazardous substances are or have already been burning in the landfill. Ecology is seeking drum removal by the potentially liable parties. Additional outside resources may be needed to evaluate the drum removal plan.	Feasibility Study	150,000	Kahlotus Road & Hwy 12	Pasco	Franklin	9	46.25	-119.05

Rank	Project	Project Description	Phase of Cleanup	Amount	Site Address	City	County	Leg. District	Lat.	Long.
4	Central Regional Office (CRO) Assessment Sites	Assessment work at up to 25 low-complexity sites in CRO. Primarily direct-push investigations of soil and groundwater, with potential for limited monitoring well installation and sampling at some sites.	Remedial Investigation	560,000	Region wide	Region wide	Region wide	Region wide	Region wide	Region wide
5	Northport Remedial Investigation / LeRoi Co Smelter	Ecology is funding investigation and probable cleanup of lead and arsenic soil/sediment contamination on and near the public beach in Northport. The contamination resulted from metal smelting. Currently, the site is in the investigation stage, but would need funding for cleanup.	Remedial Investigation	400,000	117 Park Road	Northport	Stevens	7	48.92	-117.77
6	Stubblefield Salvage Yard	Former metal salvaging business in Walla Walla that requires a remedial investigation. Contaminants found during the Site Hazard Assessment include petroleum products, brake fluid, lead/acid from batteries, and polycyclic aromatic hydrocarbons (PAHs). The site is near Mill Creek.	Remedial Investigation	500,000	535 Offner Road	Walla Walla	Walla Walla	16	46.06	-118.37
7	Marshall Landfill	Volatile organic compounds (VOCs), petroleum, metals, pesticides, and herbicides are in soil and groundwater at this closed landfill. One cell was covered with a sand layer, and another has a passive gas venting system and clay cover that is failing in spots where waste is exposed. Draft Remedial Investigation/Feasibility Study (RI/FS) is ready for public comment, and Ecology would need funding to complete cleanup and long-term monitoring.	Feasibility Study	250,000	Andrus & Spotted Road	Marshall	Spokane	6	47.55	-117.51
				Total 2019-21 Budget Request 12,110,000						

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 12:46PM

Project Number: 40000149

Project Title: Healthy Housing Remediation Program

Description

Starting Fiscal Year: 2020

Project Class: Grant - Pass Through

Agency Priority: 15

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. (State Building Construction Account)

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

A 2018 Capital Budget proviso (Chapter 298, Laws of 2018, Section 3009) directed Ecology to collaborate with the Department of Commerce on a new, competitive grant program. The program will offer grants to public, nonprofit, and private entities intending to remediate contaminated property to develop affordable housing.

No funding was provided for the proviso. This \$10 million placeholder request will fund the new program that will broaden the state's cleanup investment. It will also support the Governor's priorities on housing and homelessness.

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

- 1) Mt. Baker Housing Authority's Gateway Project in South Seattle.
- 2) Grand Street Commons Project in Southeast Seattle.
- 3) Seattle International District Goodwill Affordable Housing eight Acre Project.
- 4) Seattle International District Charles Street Yard Affordable Housing Project.
- 5) Bellingham District Affordable Housing Project.
- 6) Wenatchee Tree Fruit Research Center Property Redevelopment.

During spring 2018, Ecology coordinated with Commerce, met with stakeholders, contacted housing providers, and solicited for projects.

- Ecology notified over 1,500 affordable housing providers of the June 2018 project solicitation.
- Ecology staff attended meetings with the Affordable Housing Advisory Board and the Association of Washington Housing Authorities in May 2018.
- Ecology met with the U.S. Department of Housing and Urban Development to understand whether there are opportunities to leverage this program with federal housing funding.

Ecology solicited for projects in June 2018 to collect information about interest in the program to help inform the legislative report due October 1, 2018. The report will summarize the initial demand and support this request for \$10 million. The initial demand included in the report is \$5.1 million. 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 included in the report are self-reported funding needs from six projects – four for integrated planning. Integrated planning grants allow owners or prospective purchasers to develop an integrated project plan that coordinates site characterization and analysis of cleanup alternatives with preliminary site planning and a redevelopment strategy. These types of grants do not cover the entire cost of cleanup as a project moves through all phases of cleanup (remedial investigation, feasibility study, cleanup plan development, and cleanup construction). Grant recipients will likely request funding support for all required cleanup activities once integrated plans are completed. Ecology will submit a final project list when the legislative report is submitted.

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 12:46PM

Project Number: 40000149

Project Title: Healthy Housing Remediation Program

Description**What opportunity or problem is driving this request?**

The Healthy Housing Remediation Program will provide Ecology with clear authority and dedicated funding to work directly with affordable housing providers on cleanup projects. Ecology's existing funding mechanisms (Remedial Action Grants and Mixed Funding Agreements) have legal and financial constraints that make it a challenge and administratively inefficient for Ecology to fund cleanups led by nonprofit and private housing developers. The proposed proviso language and grant funding from SBCA provides a more efficient and explicit funding process and criteria for this work.

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 economic boom and population growth bring many benefits to the state, but together they are driving up rent, home prices, and property taxes.

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 159 jobs during the next three years based on Office of Financial Management estimates.

What are the effects of non-funding?

Not funding this request would be a missed opportunity for solutions to the housing crisis. Washington residents would miss out on having contaminated sites cleaned up specifically for affordable housing redevelopment that would support and protect their communities.

Why is this the best option or alternative?

This is the best alternative because it supports the legislative direction in the 2018 Capital Budget proviso. The state already provides funding to build affordable housing through Commerce's Housing Trust Fund. 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?

Today, a cleanup program focused on providing suitable locations for affordable housing does not exist. 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.

Also, Ecology could work much earlier with parties in the project development phase, particularly during due diligence. Due diligence refers to investigations (environmental, title research, etc.) that buyers have to complete to act with reasonable care in a real estate transaction. Being involved early in the process lets Ecology help resolve uncertainty during the planning stages when the cost of changing development plans is at its lowest. Collecting sound data and performing site investigations with Ecology involvement can reduce the likelihood that work will need to be redone or further investigation completed.

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

Ecology is requesting funding from the State Building Construction Account (SBCA) for this new grant program. While the near-term focus of these grants is cleanup under the Model Toxics Control Act, the long-term purpose is to broadly support state

Capital Project Request

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Project Number: 40000149

Project Title: Healthy Housing Remediation Program

Description

and local efforts to deal with Washington's need for affordable housing. Therefore, SBCA is the best fund source for this work.

Funding for this request includes \$35,000 to maintain and update the grant or loan applications in the agency systems.

Are FTEs required to support this project?

No.

How does the project support the agency and statewide results?

This request is essential to implementing a priority in Ecology's strategic plan to prevent and reduce toxic threats and supports two strategic goals:

- Protect and restore air, land, and water by protecting human health from contaminants that are harmful and pose a health risk.
- Promote healthy communities and natural resources by leveraging cleanup to make land available for affordable housing.

This request is essential to support the Governor's budget, economy, energy and environment, and safe communities priorities because it will provide two benefits at the same time by protecting public health and natural resources through cleanup and making land available for affordable housing.

This request supports Executive Order 18-22, Southern Resident Killer Whale Recovery and Task Force, by supporting cleanup projects that will reduce legacy toxic contaminants in Puget Sound. This contamination is one of the three primary factors threatening the Southern Resident population.

This request provides essential support to the Governor's Results Washington:

Goal 1: World Class Education and Goal 4: Healthy and Safe Communities by increasing land availability as we connect contaminated site cleanup to redevelopment into affordable housing projects. 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 services like higher education. Restricting the end-use of property that has been cleaned up in ways that protect existing local communities also allows people to maintain access to 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.

Goal 2: Prosperous Economy by creating and supporting jobs and making it possible to redevelop previously contaminated land to support economic growth in communities.

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. Specifically:

Goal Topic: Clean and Restored Environment, Sub-Topic: Healthy Lands

Outcome Measure 3.1: Increase the number of contaminated sites cleaned up by 17 percent from 5,815 to 6,803 by 2020.

Leading Indicator 3.1.a – Increase number of contaminated brownfield sites returned to economically productive use from 476 to 1,090 by 2020.

This request also supports Puget Sound Action Agenda implementation through the following strategies, sub-strategies, and regional priorities:

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

Capital Project Request

2019-21 Biennium

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Report Number: CBS002

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Project Number: 40000149

Project Title: Healthy Housing Remediation Program

Description

Sub-strategy 10.3, fix problems caused by existing development. Sub-strategy Regional Priority 10.3-2, provide infrastructure and incentives to accommodate redevelopment within designated urban centers in urban growth areas as well as Vital Sign Regional Priorities:

-TIF3.1, provide infrastructure and incentives to accommodate new development and re-development within designated urban centers in Urban Growth Areas (UGA).

-CHIN2.6 Incentivize and accelerate stormwater management for new and existing development.

· Strategy 21 - Address and clean up cumulative water pollution impacts in Puget Sound and sub-strategy 21.2, clean up contaminated sites within and near Puget Sound by reducing and controlling the sources of pollution. Ecology's work to cleanup areas contaminated with hazardous substances returns a polluted or degraded environment, as much as possible, to a healthy, self-sustaining ecosystem.

Through cleanup, Ecology will work in partnership with local governments, nonprofits, or private housing providers to fund remedial actions at contaminated sites in the Puget Sound region.

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 year to further the State's interest in finding new ways to support affordable housing development by leveraging cleanup money. In addition to developing the June 2018 project solicitation to gauge potential interest in affordable-housing-related cleanup, the agencies worked together to engage with stakeholder groups to communicate this effort and gather feedback to help shape the Healthy Housing Remediation Program.

What is the impact on the state operating budget?

This request is related to Ecology's operating budget request Expanded Site Management Capacity.

Most of Ecology's cleanup project managers are funded in the operating budget. With more than 5,900 contaminated sites awaiting final cleanup, and 200 to 300 new sites discovered and reported each year, Ecology is facing an increasingly tough challenge to effectively balance a growing number of cleanup sites with limited and over-subscribed site management staff. Their work is growing more complex as new contaminants emerge and the agency is presented with new opportunities to complete cleanups. Ecology's operating request for more site cleanup project managers will allow us to take on the new work of affordable housing redevelopment.

Projects funded through this capital request will be under formal cleanup order and will be more involved for cleanup project managers because housing providers are not well-versed in the MTCA cleanup process. Ecology needs dedicated cleanup project managers experienced in affordable housing cleanup projects to implement effective cleanups.

Proviso

The current State cleanup programs and authorities in place to work with private and nonprofit organizations are legally and financially constrained. State housing grant programs are not well tailored to support cleanup in affordable housing development's project life-cycle. The following proviso language is requested to provide authority in the 2019-21 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 provide grants to persons intending to remediate contaminated real property for development of affordable housing, as defined in RCW 43.185A.010. The grants may only be used for: (a) 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: (i) The activities specified under RCW 70.105D.070(4)(e)(iv); and (ii) 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 (b) Remediation of contaminated real property for affordable housing development. (2) When prioritizing grants 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

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 12:46PM

Project Number: 40000149

Project Title: Healthy Housing Remediation Program

Description

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 under the grant is ready to proceed and be completed; and (e) The distribution of grants 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; and (b) In accordance with the rules established under chapter 70.105D RCW. (4) Prior to a grant recipient conveying any interest in the real property or entering into any leases, the real property must be restricted to affordable housing use for a period of no less than thirty years. (a) The department may require a grant recipient to record an interest in the land 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 grant recipient who refuses, without sufficient cause, to comply with this subsection shall be subject to enforcement pursuant to any agreement or chapter 70.105D RCW for the repayment, with interest, of funds provided under this section.

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	50,095,000				10,035,000
	Total	50,095,000	0	0	0	10,035,000
Future Fiscal Periods						
		2021-23	2023-25	2025-27	2027-29	
057-1	State Bldg Constr-State	10,015,000	10,015,000	10,015,000	10,015,000	
	Total	10,015,000	10,015,000	10,015,000	10,015,000	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 5:01PM

Project Number: 40000115

Project Title: 2019-21 Reducing Toxic Diesel Emissions

Description

Starting Fiscal Year: 2020

Project Class: Grant - Pass Through

Agency Priority: 21

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. For the 2019-21 Biennium, 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 Volkswagon settlement funding). Related to Puget Sound Action Agenda Implementation. (State Building Construction Account)

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

Ecology requests \$5.0 million in grant funding to reduce emissions from diesel engines for high-health risk, high-exposure populations where VW settlement money cannot be used. The 2019-21 Clean Diesel Program funding priorities are to install idle reduction technology on school buses and emergency response vehicles, and to scrap and replace the oldest high-polluting emergency response vehicles. This program will fund projects across the state that reduce emission exposures to sensitive populations, including school children, school bus drivers, teachers, parents, the elderly, people with existing health problems that put them at increased risk, and emergency responders and their customers. It will invest in economically disadvantaged communities or communities with environmental justice concerns.

Volkswagen paid Washington a penalty of \$28.4 million in addition to \$112.7 million the state is eligible to receive as part of a federal settlement.

State Penalty:

In the 2018 Supplemental Budget, the Legislature directed the state penalty dollars to four types of projects. They include:

- Scrapping and replacing the oldest school buses in the state (\$12M)
- Scrapping and replacing diesel transit buses with electric buses (\$9.7M)
- Purchasing electric vehicles for state agencies (\$5.5M)
- Retrofitting drayage trucks serving the Northwest Seaport Alliance with better emissions controls (\$1.2M)

Federal Settlement:

The federal settlement specifies eligible project categories and establishes additional conditions for how and where the money can be spent. Those eligible categories are:

- Scrapping and replacing or repowering Class 8 model years 1992-2009 local freight trucks and port drayage trucks.
- Scrapping and replacing or repowering Class 4-8 model years older than 1992 school, transit, or shuttle buses.
- Scrapping and replacing or repowering pre-Tier 4 freight switcher locomotives that operate 1,000 or more hours per year.
- Scrapping and replacing or repowering unregulated, Tier 1, or Tier 2 ferries and/or tug marine engines.
- Ocean-going vessels shore power.
- Scrapping and replacing or repowering Class 4-7 medium local freight trucks.
- Airport ground support equipment.
- Forklifts and port cargo handling equipment.
- Light duty zero emission vehicle supply equipment.

The state's Clean Diesel Program only covers projects that are not eligible for VW state penalty or federal mitigation funding, including installing idle reduction technologies on 2009 and newer school buses and diesel powered emergency response vehicles like fire trucks and medic units that typically require engine idling to maintain power to lifesaving equipment. Unlike the VW mitigation project, the Clean Diesel Program is not constrained to areas of the state most impacted by illegal emissions

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from affected VW vehicles.

Ecology estimates over 10,000 school buses are currently operating in Washington. Over 70 percent do not have idle reduction technology. At an average of \$5,000 per bus, this presents a \$35 million need across the state. Likewise, there are over 260 city, county, and district emergency agencies in Washington running over 1,800 diesel emergency response vehicles. Ecology estimates that 90 percent of these vehicles do not have idle reduction technology installed. The average cost for idle reduction technology on emergency response and medic units is \$15,000 each. This indicates the demand for the technology on emergency response vehicles could be over \$24 million. These projects will decrease exposure to students, bus drivers, first responders, and their customers. It will save fuel and reduce operating costs for school bus and emergency response fleet owners.

Program Details:

According to Ecology's Comprehensive Air Emissions Inventory in 2015, diesel engines in Washington emitted 5,050 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. Because diesel engines last 20 to 30 years or more, less than one third of the current Washington diesel fleet has low-polluting engines. Older, dirty engines will continue to harm human health for many years. Also, many engines can be retrofitted with idle reduction technologies to substantially reduce emissions and public exposure to toxic exhaust. These retrofits not only help improve and protect human health, they save fuel and reduce operating and maintenance costs for fleet owners.

Large numbers of diesel engines operate in or near Washington's urban areas, ports, freight distribution centers, rail yards, school yards, and transportation corridors. These diesel emission hotspots adversely impact sensitive and general populations and remain a critical health issue that should be addressed.

Based on the pollution control efficiency of the replacement technology compared to pre-retrofit conditions, and the average annual fuel consumption or miles traveled by the upgraded engine, the Clean Diesel Grant Program has reduced annual emissions of toxic particulate emissions by over 66 tons and nearly 5,200 tons of greenhouse gas emissions from publicly and privately owned diesel engines since 2005.

This program is nationally recognized as a leader in reducing diesel emissions. It has:

- Installed retrofit emissions controls on more than 12,000 diesel engines.
- Scrapped and replaced almost 700 old, high-polluting diesel vehicles and engines with newer, cleaner ones.
- Installed idle reduction technologies on more than 1,700 diesel engines.

This program targets high-emitting, heavy duty diesel engines in areas with significant public exposure to diesel exhaust. These are primarily areas along major transportation corridors where millions of Washington residents can be exposed to harmful levels of diesel exhaust. Continued investment in diesel emissions reduction projects to replace or upgrade the approximately 8,800 older, high-polluting school buses and emergency response vehicles in Washington will reduce nearly 9.4 additional tons of toxic and greenhouse gas emissions each year. This number will increase as projects to upgrade or replace other types of heavy duty vehicles are included. Potential projects include:

Idle reduction technology for:

- School buses.
- Fire engines and medic units.
- Construction equipment and on-road trucks.
- Electric power to operate Puget Sound harbor vessels when moored at dock.
- Electric power to operate ocean-going vessels at dock at the Ports of Seattle and Tacoma.

Scrapping and replacing the oldest, highest-polluting vehicles, equipment, and engines:

- Emergency response vehicles.
- Harbor vessels operating in Puget Sound.

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Past projects have typically leveraged significant additional federal, local-public, and private funds. For calendar years 2013 through the end of 2017, \$3.9 million of Ecology Clean Diesel Grant funds leveraged an additional \$22.9 million in federal, local-public, and private funds for port-related diesel emission reduction projects. Ecology will continue to seek other funding sources to partner with state dollars for this work.

What opportunity or problem is driving this request?

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 and provide a way for toxic substances to get into stormwater and ultimately downstream water bodies, including Puget Sound. The nitrogen oxides contained in the 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 cause climate change.

Large numbers of school buses, emergency response vehicles, diesel trucks, locomotives, cargo-handling equipment, and marine vessels, operate at or near our schools, hospitals, ports, freight distribution centers, rail yards, truck stops, warehouses, and large construction sites. This significantly increases public exposure to toxic emissions. Operators frequently idle large diesel engines to maintain engine operating temperature and to operate on-board heaters, refrigerators, computers, air conditioners, and lights. Operating and idling engines can create health exposure risks in or close to populated areas and high-risk populations at schools, hospitals, nursing homes, and daycare centers.

Widespread community exposure occurs when many engines operate or idle in concentrated areas. More populated and economically disadvantaged communities clustered nearby 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. Ecology will continue to assist school districts in installing idle reduction technologies to help reduce exposure in school yards, school buildings, and along bus routes.

Emergency response vehicles, like fire trucks and medic units, traditionally rely on high engine idling to maintain electrical power to life saving equipment. Large city fire departments can respond to thousands of calls each month. When vehicles idle at scenes for long periods of time, emissions can impact first responders and those who rely on their services – especially vulnerable populations in locations frequented by these vehicles, like nursing homes. Installing idle reduction technology on emergency response vehicles reduces exposure for first responders and the people on scene at an incident.

New idle reduction technologies pre-heat engines or automatically shut off 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 public exposure to harmful toxic and carcinogenic pollutants.
- Reduce health care costs for Washington citizens.
- Reduce deposition of harmful pollutants to run-off and surface waters, including Puget Sound.
- Reduce emissions that cause climate change.
- Reduce fuel use and equipment operating costs.

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- Help public sector entities get access to scarce capital resources that help them save money.

What are the specific benefits of this project?

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). 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). The U.S. Environmental Protection Agency estimates that each federal dollar invested in clean diesel projects generates between \$5 to \$21 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.

Diesel vehicle, equipment, and engine replacements and installing diesel idle reduction technology create and maintain jobs for heavy-duty diesel engine mechanics and associated diesel industry jobs. Installing electric power stations in ports creates and maintains jobs in the electrical and construction industries.

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, emergency response vehicles, and other eligible high-polluting diesel engines. This will reduce diesel particulate emissions to meet the 2020 statewide diesel particulate emissions target of 3,500 tons annually.

This request will also provide economic benefits to the state by creating up to 27 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, people would continue to be exposed to excessive levels of highly toxic diesel emissions. This would result in ongoing levels of serious disease and expensive community health care costs. Fleet owners would not realize fuel savings and reduced operating costs. Substantial reductions in greenhouse gas emissions would not occur.

Specific impacts of non-funding include:

- For the next 20 years or more, older diesel engines would continue to expose communities and sensitive people to unacceptable levels of diesel exhaust, increasing medical problems and health costs.
- For decades, school buses would continue to idle at school yards and expose nearly a million children to toxic emissions.
- For many more years, old high-polluting school buses would continue to transport and expose children, school bus drivers,

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and the public to toxic emissions.

- The benefits of reducing diesel emission deposition to stormwater run-off, pollution to surface waters, including Puget Sound, as well as climate change benefits, would be lost.
- Local governments with limited resources would not have funds to make necessary equipment and vehicle upgrades that can save them money on fuel, maintenance, and capital equipment replacement costs.

Failing to fund these projects would result in a missed opportunity to reduce future health care costs by millions of dollars.

Why is this the best option or alternative?

Diesel equipment and vehicles last decades and are expensive to replace, upgrade, or retrofit. This means that older, higher-polluting diesel engines remain in service for many years. Idle reduction technology saves fuel, reduces operating costs and helps keep engines operating at optimum efficiency.

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.

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

The 2017-19 appropriation for this work was at an all-time low of \$500,000 for the state's Clean Diesel Program, likely due to decision makers not realizing the limitations of the VW settlement funding. This has significantly constrained the state's ability to address toxic diesel emissions sources outside of major urban areas, and for the many types of projects not covered by the VW settlement like idle reduction technology. While the majority of the state's population lives in major urban areas, exposure to toxic diesel emissions for school children and first responders is a statewide concern and state funding is needed to address diesel emissions, especially in rural areas across the state.

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

Ecology proposes using the State Building Construction 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 and Local Toxics Control Accounts funded these grants in the last few biennia, but with the downturn in Model Toxics Control Act (MTCA) revenue, the projected balances for the accounts are insufficient to fund this important work in the 2019-21 Biennium.

Pressure on operating funds during the Great Recession also resulted in multiple fund shifts to MTCA. Enacted budgets permanently shifted \$75 million of General Fund-State (GF-State) work in state agencies' operating budgets to MTCA accounts. Although these fund shifts preserved some core environmental work, they also further eroded MTCA funding capacity for capital projects.

Ecology has a separate operating request to restore the \$64 million GF-State shifted to MTCA accounts in Ecology's budget. Shifting the funding back to GF-State will free up MTCA dollars for additional capital investments.

Funding for this request includes \$15,000 to maintain and update the grant or loan applications in the agency systems which is required for these dollars to be passed through to local partners.

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 Ecology's strategic priorities to "Prevent and Reduce Toxic Threats", "Protect and Restore Puget Sound", and "Reduce and Prepare for Climate Impacts" because it:

- 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 priorities to reduce carbon pollution by targeting high-polluting diesel engines operating in Washington for replacement or technology retrofits that dramatically reduce the greenhouse gases and dangerous diesel particulate emissions.

This request provides essential support to the Governor's Results Washington Goal 3 – Sustainable Energy and Clean Environment by directly reducing toxic diesel emissions, which are a leading indicator for the Healthy Air measure. It also supports the Clean Transportation measure to reduce statewide transportation related carbon emissions because cleaner diesel engines produce fewer carbon emissions.

This request supports the Puget Sound Action Agenda implementation through Near Term Action 2016-0284 and 2018-0472, 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.

This request also supports Vital Sign Regional Priorities:

- TIF 1.1 - Enhance pollutant reduction programs, corrective measures and increase authorities and programs to prevent toxic chemicals from entering Puget Sound.
- TIF 4.1 - Reduce the impact of local air pollution on stormwater toxicity.

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

This request will provide funds to install idle reduction technology and, in some cases, replace engines, vehicles, and equipment to reduce pollution and lower operating costs – benefitting school districts, fire districts, and other local public agency staff and budgets. 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. Local governments (school districts, fire districts) 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.

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What is the impact on the state operating budget?

This grant program will not directly impact the state’s operating budget. But 1.75 FTEs in the Air Quality Program’s operating budget provide 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 Non-Attainment Areas,” funded in 2015 for capacity and implementation strategies that reduce pollution in areas at risk of violating federal ozone and fine particle air quality standards throughout the state. We are also submitting a separate, but related, capital budget request, “Reducing Toxic Wood Stove Emissions,” that supports reducing fine particulate matter statewide.

Proviso

N/A

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	25,000,000				5,000,000
	Total	25,000,000	0	0	0	5,000,000
Future Fiscal Periods						
		2021-23	2023-25	2025-27	2027-29	
057-1	State Bldg Constr-State	5,000,000	5,000,000	5,000,000	5,000,000	
	Total	5,000,000	5,000,000	5,000,000	5,000,000	

Operating Impacts

No Operating Impact

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Project Title: 2019-21 Reducing Toxic Wood Stove Emissions

Description

Starting Fiscal Year: 2020

Project Class: Grant - Pass Through

Agency Priority: 22

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. (State Building Construction Account)

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

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 Office of Financial Management 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 Tacoma, Kent, Yakima, Ellensburg, Marysville, Darrington, Vancouver, Seattle, Spokane, Omak, Twisp, Winthrop, Sunnyside, and Toppenish. In these communities, funds will be used for:

- Wood stove replacement (offering a financial incentive to replace older, high-polluting wood stoves with cleaner heating alternatives).
- Capital investments to improve home heating efficiency in homes where wood is used for heat.
- Purchase and installation of retrofit technology (new technology that helps complete combustion of particulate matter for existing older stoves).

To date, Ecology and its local air agency partners have changed out more than 5,000 older, uncertified stoves in high wood stove use communities that are violating, or at risk of violating, federal air pollution standards. Over 1,600 more uncertified wood stoves have been collected, rendered inoperative, and recycled through successful bounty programs that remove the dirtiest stoves from the secondary market (preventing sale of used devices on e-bay, Craig's List, and classified advertising). These combined strategies have resulted in lower air pollution measurements and significantly improved air quality – especially in two of Washington's worst polluted communities, Tacoma/Pierce County and Yakima, and helped bring them into compliance with federal air quality standards.

What opportunity or problem is driving this request?

As noted in the previous section, fourteen small, medium, and large communities across Washington measure pollution levels close to violation of the federal fine particle air pollution standards. Pollution from wood-heating devices is the principal cause of fine particle pollution problems in these communities.

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 estimates 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.

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<https://fortress.wa.gov/ecy/publications/publications/0902021.pdf>).

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 estimates 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.

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 standards are violated, emission reductions would be imposed on all principal sources of fine particles in violating areas (including industrial and commercial facilities and transportation) within five years of being designated out-of-compliance. Strategies to reduce emissions can include stronger regulations, tougher permitting conditions, incentive programs (with costs for industry and local and state government), or a combination of these strategies. Strict regulatory strategies can have a negative effect on local economies, aggravating existing business and employment conditions, and impacting community livability.

If we do not adopt successful strategies, we risk federal intervention and 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 include reduced federal air quality grants and withheld federal transportation grant funds.

Why is this the best option or alternative?

During the last five biennia, funds from the state's wood stove change-out grant program have replaced more than 5,000

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uncertified wood stoves with cleaner burning alternatives, reducing more than 165 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 were 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.

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.

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.

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

Traditionally, this work has been funded by the Model Toxics Control Act (MTCA) accounts. The Hazardous Substance Tax (HST) is the primary revenue source for MTCA, and taxes are collected on the first possession of certain hazardous substances (taxed at 7/10 of one percent of the value of the product). Petroleum makes up about 90 percent of the revenue collected with the HST. According to the Office of Financial Management, the HST is Washington's most volatile tax (*Table 2: Average Annual Percentage of Change of Washington Major Tax Sources* (p.8), Office of Financial Management, *Washington State Model Toxics Control Act Accounts*; November 2016.)

The price of crude oil began dropping after the summer of 2014, which resulted in a correlated and significant decrease in HST revenue. Prior to the downward plunge in oil prices, MTCA revenue collections were around \$200 million a year from 2012 through 2014. Collections dropped to \$113 million in 2016, and \$124 million in 2017. MTCA fund balances have not been able to support the demand for toxics work over the last two biennia, and even with the \$60 million in bond backfill funding provided in 2017-19, there will still be a funding gap next biennium.

MTCA funding is now used in operating and capital budgets at 11 state agencies, and its use has greatly expanded over time. While HST revenue collections are projected to be \$159 million a year in 2019-21, with the operating budget carryforward and capital reappropriation demands next biennium, projected MTCA fund balances are insufficient to meet new capital needs. Ecology requests funding from the State Building Construction Account to help bridge the gap until MTCA capacity returns.

In addition to the MTCA revenue shortfalls, the pressure on operating funds during the Great Recession resulted in multiple fund shifts. Enacted budgets permanently shifted \$75 million of General Fund-State (GF-State) work in state agencies' operating budgets to MTCA accounts. Although these fund shifts preserved some core environmental work, they also further eroded MTCA funding capacity for toxics work.

Ecology has a separate operating request to restore \$64 million GF-State that was shifted to MTCA accounts in Ecology's budget. Shifting the funding back to GF-State will free up MTCA dollars for additional capital investments.

Funding for this request includes \$15,000 to maintain and update the grant or loan applications in the agency systems.

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 9:16AM

Project Number: 40000126

Project Title: 2019-21 Reducing Toxic Wood Stove Emissions

Description**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 2017-19 Biennium.

How does the project support the agency and statewide results?

This request is essential to implementing Ecology's strategic priority to "Prevent and Reduce Toxic Threats" because toxic fine particle pollution is hazardous to human health. It also supports Ecology's strategic priorities to "Protect and Restore Puget Sound" and to "Reduce and Prepare for Climate Impacts" by reducing emissions and deposition of fine particulate and black carbon, a climate warming pollutant.

This request provides essential support to the Governor's Results Washington Goal 3, Sustainable Energy and a Clean Environment, under the goal topic Clean and Restored Environment because increasing the number of wood stoves replaced with cleaner burning technologies is a leading indicator (3.3.b) under the outcome measure for achieving healthy air.

This request also supports the Governor's Results Washington Goal 4, Healthy and Safe Communities, by reducing the volume of fine particle pollution in high-risk communities throughout the state.

This request supports the Governor's Results Washington Goal 2, Prosperous Economy, by preventing economic sanctions imposed on areas that violate federal air quality standards and by supporting and creating jobs related to the wood stove change-out programs.

This request supports Puget Sound Action Agenda implementation through Near Term Action 2016-0028 and 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.

This request also supports Vital Regional Priorities:

- TIF1.1 - Enhance pollutant reduction programs, corrective measures and increase authorities and programs to prevent toxic chemicals from entering Puget Sound.
- TIF4.1 - Reduce the impact of local air pollution on stormwater toxicity.

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?

Ecology is making a separate, but related, capital budget request, "Reducing Toxic Diesel Emissions," to promote additional strategies that will help address health risks from air pollution and prevent violations of federal air quality standards.

Proviso

N/A

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 9:16AM

Project Number: 40000126

Project Title: 2019-21 Reducing Toxic Wood Stove Emissions

Description

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	20,000,000				4,000,000
	Total	20,000,000	0	0	0	4,000,000

		Future Fiscal Periods			
		2021-23	2023-25	2025-27	2027-29
057-1	State Bldg Constr-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

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 4:59PM

Project Number: 40000114

Project Title: 2019-21 ASARCO Cleanup

Description

Starting Fiscal Year: 2020

Project Class: Grant - Pass Through

Agency Priority: 23

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?**

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. Washington's share 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 nine of this plan; this request will fund years ten and eleven.

Tacoma Smelter Plume - \$6.8 million and 10.35 project FTEs

Approximately two-thirds of Ecology's 2019-2021 budget request will support a program to remove contaminated soils from residential yards. The remaining one-third will be used for the Soil Safety Program will continue cleaning up contaminated park play areas and soil sampling for new licensed childcares. It will also be used for the free technical assistance program will promote soil cleanup during development projects and will help other agencies and local governments institutionalize soil sampling and cleanup requirements. Finally, these funds will also support Dirt Alert outreach programs to raise awareness and promote behaviors that reduce soil contact, especially for families with children. Specific activities include:

- Clean up more than 200 residential yards in north Tacoma.
- Sample approximately 40 new licensed childcares, and clean up play areas at a park and camp and any contaminated childcare play areas.
- Provide around 15-20 development projects with free technical assistance and cleanup approval for addressing plume contamination.
- Teach 100,000 people about reducing soil contact through home visits, events, mailers, and interactive media.

Everett Smelter Site

Past ASARCO requests included funding for the Everett Smelter Site. Settlement funding for this work ran out in the 2017-19 Biennium, but more cleanup is needed in the surrounding area. Ecology is requesting state funding in the capital project "Clean up Toxics Sites- Puget Sound" to complete cleanup studies and construction for the remaining areas not funded by the CSA. Ecology continues to work with the City of Everett and property owners to clean up the rest of the properties impacted by the former smelter.

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 4:59PM

Project Number: 40000114

Project Title: 2019-21 ASARCO Cleanup

Description**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 2019-21 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 10-year 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 37 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, the settlement funds received and deposited into the CSA would not be available for cleanup activities. 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 200 yards – incomplete. Stopping and restarting this project would delay cleanup and likely increase total costs.

Also, over the last few biennia the Legislature has authorized settlement funds for loans and direct appropriations. There is sufficient fund balance in the CSA to support this 2019-21 Biennial Budget request. But, any additional loans or direct appropriations could jeopardize Ecology's 10-year plan for the work intended to be funded by the account.

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?

This request requires a total of 10.35 FTEs to continue supporting the ASARCO remediation activities in Tacoma as part of the 10-year cleanup plan with current staff levels. Previous ASARCO Cleanup requests included FTEs for staff working on the

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 4:59PM

Project Number: 40000114

Project Title: 2019-21 ASARCO Cleanup

Description

Everett Smelter Plume. Everett's portion of the CSA is depleting, and only reappropriated funds remain. Everett staff will charge staff time to these reappropriated funds.

How does the project support the agency and statewide results?

This request is essential to implementing a priority in Ecology's strategic plan because it Prevents and Reduces Toxic Threats, "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 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.

This request is essential to supporting the Governor's budget and economic development priorities by investing funds to protect public health and natural resources. This request also supports the Governor's Results Washington Goal 3: Sustainable Energy and a Clean Environment, Goal Topic: Clean and Restored Environment and Sub-Topic: Healthy Lands, by cleaning up and managing contaminated upland sites and contaminated sediments in the aquatic environment, so we can.

- Increase the number of contaminated sites cleaned up by 17 percent, from 5,815 to 6,803, by 2020. (Outcome measure 3.1)

- Increase the number of contaminated brownfield sites returned to economically productive use from 476 to 1,090 by 2020. (Leading indicator 3.1a)

This request supports Puget Sound Action Agenda implementation through Strategy 21, address and clean up cumulative water pollution impacts in Puget Sound and sub-strategy 21.2, clean up contaminated sites within and near Puget Sound by reducing and controlling the sources of pollution and Ongoing Program, "Tacoma Smelter Plume". Cleaning up the former ASARCO smelter site in Tacoma that is contaminated with arsenic, lead, and other contamination, supports the Action Agenda by returning a polluted or degraded environment, as much as possible, to a healthy self-sustaining ecosystem.

This request also supports Vital Sign Regional Priority TIF1.1, enhance pollutant reduction programs, corrective measures and increase authorities and programs to prevent toxic chemicals from entering Puget Sound.

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 10-year cleanup plan, 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.

Proviso

N/A

Project Type

Grants

**461 - Department of Ecology
Capital Project Request**

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 4:59PM

Project Number: 40000114

Project Title: 2019-21 ASARCO Cleanup

Description

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
15H-1	Cleanup Set Acct-State	22,450,000				6,800,000
	Total	22,450,000	0	0	0	6,800,000
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
15H-1	Cleanup Set Acct-State	15,650,000				
	Total	15,650,000	0	0	0	

Operating Impacts

No Operating Impact

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 4:09PM

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: 24

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. Ecology received partial funding of \$4 million in the 2018 Legislative Session to support the state's commitment to a Joint Agency Agreement with the U.S. Environmental Protection Agency and Whatcom County focused on resolving this long-standing and chronic threat to public safety, property, human health, and the environment. The funding will be used to start a series of flood control and sediment management projects and related property acquisition. Ecology requires an additional \$2.4 million to complete the work planned for the 2019-21 Biennium. (State Building Construction Account)

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

Ecology got involved in this project in 2006, due to concerns about the presence of asbestos, a hazardous material, which falls under Ecology's Model Toxics Control Act authority. Ecology worked with the Army Corps of Engineers to issue Whatcom County a 401 Water Quality Certification for a 404 permit. The permit authorized Whatcom County to conduct dredging of Swift Creek.

As the Swift Creek project evolved over time, it became clear that neither Whatcom County nor the Environmental Protection Agency (EPA) had the resources alone to address the problems at this site. In 2014, Ecology entered a partnership with the county and EPA through a Joint Agency Agreement (JAA). This agreement details an interim strategy to reduce flood risks and reduce transport of asbestos-containing sediment downstream and across the floodplain. Ecology's principal obligation in the JAA is to seek funding through the Washington State Legislature. Each party's commitment to the agreement and investments are noted later in this request.

The 2017-19 Biennial Capital Budget (passed late in January 2018) appropriated \$4,000,000 for Swift Creek. The next steps in the Swift Creek project are:

- 1) Execution of a Consent Decree (CD) between Ecology and Whatcom County to structure and govern future project management. Negotiation is close to a CD final version for consideration by the Whatcom County Council.
- 2) Resolution of threatened EPA Comprehensive Environmental Response Compensation and Liability Act (CERCLA) liability action against the principal landowner. EPA has separately initiated CERCLA notification to Great Western Lumber/Millman Family Trust on grounds of responsibility for management of hazardous asbestos material. (This is beyond the 2014 Joint Agency Agreement between EPA, Ecology, and Whatcom County.) The landowner has been legally advised that property sale should be put off until this issue is resolved. Ecology and EPA are currently working on a resolution. Depending on the outcome of this issue, the next step would be property acquisition necessary for project development.

The Great Western Lumber/Millman Family Trust property is the largest property acquisition planned. Timing of the acquisition impacts the project's other planned expenditures. Ecology anticipates spending \$850,000 of the \$4 million appropriation in the 2017-19 Biennium. The remainder will not be spent until the liability issues are resolved. So the agency expects \$3,150,000 from the original \$4,000,000 appropriation will be used in 2019-21. In addition, Ecology will require \$2.4 million in 2019-21 for the specific tasks below. A summary outlining the total adjusted project costs and expenditure timing is attached.

\$1,800,000 Land Acquisition
 \$ 300,000 Repository Design
~~\$ 300,000~~ Dredging to Maintain Flow Under Bridges
 \$2,400,000 Total 2019-21 biennial budget request

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 4:09PM

Project Number: 3000708

Project Title: Swift Creek Natural Asbestos Flood Control and Cleanup

Description

EPA and Whatcom County have made ongoing contributions and have additional responsibilities for the project under the JAA. Land acquisition is key to this request. Efforts to control flooding and manage landslide-derived sediment containing hazardous asbestos will require engineered hydrologic controls, infrastructure, and access. Ecology, the county, and EPA are discussing property requirements needed to achieve these remedial measures. EPA is currently negotiating with the largest affected landowner to convey property in exchange for liability relief.

EPA has spent approximately \$3 million to date on the Swift Creek project for a wide range of scientific and engineering work. This includes, for example, stabilizing sediment piles, United States Geological Survey (USGS) hydrologic study, activity-based sampling, engineering evaluation, and cost analysis of cleanup alternatives.

Under the JAA, EPA's contributions include providing technical assistance and regulatory input for design and construction, excavating and/or stabilizing dredged materials, and transporting and placing dredged materials at staging areas. Whatcom County and its Flood Control Zone District contributions include assessing feasibility of rerouting a portion of Swift Creek to reduce transport of asbestos-containing sediment, undertaking alternatives analysis of potential repository locations, providing funds for routine operations and maintenance, and preparing annual reports for the project.

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. But, 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 interim strategy outlined in the JAA and demonstrate that the state is in partnership with these agencies to move toward a long-term solution to address this significant human health and environmental problem.

Swift Creek is 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 EPA.

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 (example attached).

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).

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 4:09PM

Project Number: 3000708

Project Title: Swift Creek Natural Asbestos Flood Control and Cleanup

Description

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 contamination and prevent further contamination of lands in the vicinity of the creek and Sumas River.
- 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.

This request will also provide economic benefits to the state by creating up to 13 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. The county has requested funding for an Army Corps of Engineers project, but this funding is likely several years away.

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 obligations under the JAA between Whatcom County, Ecology, and EPA.

This request will also help preserve valuable farm land that could be irreversibly contaminated if Swift Creek or the Sumas River flood and smother fields with contaminated sediment.

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. Federal and local funding also support the project as described in the JAA.

Are FTEs required to support this project?

No.

How does the project support the agency and statewide results?

This request supports Ecology's strategic priorities to Preventing and Reducing Toxic Threats and Protecting and Restoring 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.

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 4:09PM

Project Number: 30000708

Project Title: Swift Creek Natural Asbestos Flood Control and Cleanup

Description

This request is essential to support the Governor’s budget and economic development priorities by investing funds to protect public health and natural resources.

This request is essential to support the Governor’s Results Washington Goal 3: Sustainable Energy and a Clean Environment as follows:

- Goal Topic: Healthy Fish and Wildlife, Sub Topic: Pacific Salmon
- Outcome Measure: 3.2.2 Increase the percentage of Endangered Species Act listed salmon and Steelhead populations at healthy, sustainable levels from 16 percent to 25 percent by 2022.
- Goal Topic: Clean and Restored Environment, Sub Topics: Clean Cool Water and Healthy Air, Outcome Measures: 3.3.1 Increase the number of contaminated sites cleaned up by 17 percent from 5,815 to 6,803 by 2020; and 3.3.2 Increase the percentage of rivers meeting good water quality from 43 percent to 55 percent by 2020.

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

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	17,100,000			4,000,000	2,400,000
	Total	17,100,000	0	0	4,000,000	2,400,000

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 4:09PM

Project Number: 30000708

Project Title: Swift Creek Natural Asbestos Flood Control and Cleanup

Funding

		Future Fiscal Periods			
		2021-23	2023-25	2025-27	2027-29
057-1	State Bldg Constr-State	9,700,000	1,000,000		
	Total	9,700,000	1,000,000	0	0

Operating Impacts

No Operating Impact

**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

Toxics Cleanup Program
 Swift Creek Budget Request Crosswalk
 June 7, 2018

	Requested Amount			Changes	Revised Amount	Projected Expenditure Timing		
	2018 Supplemental	2019-21 Request	2021-Future			2017-19	2019-21	2021-Future
Land Acquisition		2,000,000	(1,800,000)	200,000	-	200,000	-	
Construct sediment traps		947,457	-	947,457	-	947,457	-	
Construct Upper Deflection Levee		976,330	-	976,330	-	976,330	-	
Repository Design		-	-	-	-	-	-	
Dredging to maintain flow under bridges		163,619	(13,619)	150,000	150,000	-	-	
Emergency dredging contingency		200,000	-	200,000	-	200,000	-	
Engineering and design		1,083,500	(7,287)	1,076,213	450,000	626,213	-	
License/permit fees		441,750	8,250	450,000	250,000	200,000	-	
Total 2018 Request		5,812,656	(1,812,656)	4,000,000	850,000	3,150,000	-	
Land Acquisition	2019-21 Biennial	1,800,000		1,800,000		1,800,000	-	
Construct sediment traps		-		-		-	-	
Construct Upper Deflection Levee		-		-		-	-	
Repository Design		300,000		300,000		300,000	-	
Dredging to maintain flow under bridges		300,000		300,000		300,000	-	
Emergency dredging contingency		-		-		-	-	
Engineering and design		-		-		-	-	
License/permit fees		-		-		-	-	
Total 2019-21 Request		2,400,000	-	2,400,000		2,400,000	-	
Budget Request 2021-Future		10,700,000	-	10,700,000		10,700,000	10,700,000	
Grand Total		17,100,000	-	17,100,000	850,000	5,550,000	10,700,000	

Protect your family from asbestos during flooding

January 2016

Sediment from Swift Creek and downstream Sumas River contain asbestos. When these streams flood, sediments can be carried onto your property.

- As flooded areas dry, asbestos can become airborne.
- Breathing in asbestos can cause health problems.

Steps you can take

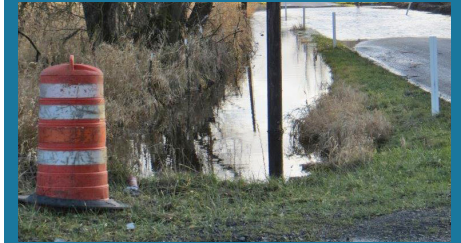
- **Avoid handling or tracking sediments**, if possible. When working in your yard or field, keep dust down to reduce asbestos exposure.
- **Avoid tracking dirt or mud** into your home or vehicle.

For more information

- Learn how to handle sediments to protect yourself and your family:
 - **For property owners:**
<http://yosemite.epa.gov/R10/cleanup.nsf/sites/sumasmtn>
 - **For farmworkers:** <http://www.whatcomcd.org/node/138>

Contact

- **Jeff Hegedus**, Whatcom County Health Department
360-778-6044; jhegedus@co.whatcom.wa.us
- **Elly Hale**, U.S. Environmental Protection Agency
206-553-1215; hale.elly@epa.gov



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Region 10

1200 Sixth Avenue, Suite 900, ETPA-202-4
Seattle, Washington 98101-3140

January 2016
Swift Creek, Sumas River



Region 10

1200 Sixth Avenue, Suite 900, ETPA-202-4
Seattle, Washington 98101-3140

January 2016
Swift Creek, Sumas River



ATTACHMENT A

Swift Creek photos comparing fall 2007 to June 2015

Attachment to Supplemental Budget Request,

Pete Kmet, July 2015

Oat Coles Road bridge - November, 2007



Oak Coles Road bridge – June, 2015



Looking east from Oat Coles Bridge - November, 2007



Looking east from Oat Coles Bridge – June, 2015



Goodwin Road Bridge - September, 2007



Goodwin Road Bridge - June, 2015



Looking west from Goodwin Road Bridge - October, 2007



Looking west from Goodwin Road Bridge - May 2015



Looking east from Goodwin Road Bridge - September 2007



Looking east from Goodwin Road Bridge - May 2015



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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:55AM

Project Number: 40000210

Project Title: Chemical Action Plan Implementation

Description

Starting Fiscal Year: 2020

Project Class: Grant - Pass Through

Agency Priority: 25

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 (Local Toxics Control Account).

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

Washington State's public officials and citizens look to Ecology for answers when toxic chemicals affect their communities. The CAP process was designed to strategically address these questions by identifying the worst-of-the-worst chemicals affecting Washington; working with stakeholders from industry, local governments, and environmental groups to zero in on the most important sources of those chemicals reaching the environment; and developing recommendations on how to reduce or eliminate those sources. It is a sound strategy with some clear successes. Lack of resources for development and implementation have hamstrung the program's effectiveness to protect the public, the environment, and the economy. Ecology is submitting a complimentary operating budget request titled, "Effective Implementation of CAPs" to implement CAP recommendations, accelerate development and implementation of future CAPs, and track Ecology's progress in reducing toxics in the environment through monitoring.

Ecology and DOH have developed recommendations for six CAPs; PFAS, PCBs, polycyclic aromatic hydrocarbons (PAHs), lead, polybrominated diphenyl ethers (PBDEs), and mercury. These toxic chemicals and metals are difficult or impossible to clean up once they get into wastewater, stormwater, or sediments. Ecology has a backlog of priority recommendations from these CAPs still waiting for funding. This request will provide funding to remove and replace CAP chemicals present in select consumer and commercial products or technologies before they get into the environment.

This request will focus on the following priority product replacement opportunities, which directly support implementation of current and past CAP recommendations:

- Disposal of PFAS-containing firefighting foam at local fire departments.
- Disposal of PCB-containing light ballasts in schools.
- Disposal of PCB-containing caulk from public or private buildings.
- Disposal of mats and play pads containing PBDE flame retardants at daycares.
- Disposal of mercury thermostats in buildings.
- Replacement of dry cleaning technology that uses perchloroethylene. (Note: this element does not support a CAP recommendation but it helps to avoid additional costly cleanup site caused by dry cleaning.)

The Local Source Control (LSC) Partnership is comprised of local governments – including cities, counties, and health districts. It is designed to help small businesses understand and comply with dangerous waste and stormwater laws, and provide assistance with spill prevention and cleanup preparedness. There is strong interest from LSC partners to help implement toxic product replacements for many (but not all) of the products listed above. Local partners will assess the need for product and technology replacements in their particular jurisdictions and include these assessments and costs as part of the contracts Ecology has with 21 LSC partners. Ecology has a related 2019-21 operating budget request titled, "Local Source Control Program" to continue support for local governments doing this work.

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:55AM

Project Number: 40000210

Project Title: Chemical Action Plan Implementation

Description**What opportunity or problem is driving this request?**

Over the past 15 years, Ecology has collaborated with DOH to complete five comprehensive reviews of major toxic chemicals, and issued recommendations on how to protect people and the environment from being exposed to them. Only a few of these recommendations have been implemented due to resource constraints. Staff and funding for this work have been severely limited, meaning that people across Washington continue to be exposed to PCBs, mercury, PAHs, PBDEs, and lead.

The most recent example is Ecology's CAP work in chemicals known as per- and polyfluorinated alkyl substances, or PFAS. In the 2013-2015 Biennium, the U.S. Environmental Protection Agency (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 result from Issaquah was above the EPA health advisory level of 70 parts per trillion (ppt) for Perfluorooctane Sulfonate (PFOS). The Department of Defense (DOD) found PFOS and Perfluorooctanoic Acid (PFOA) above 70 ppt in groundwater near Naval Air Station Whidbey Island, JBLM, and Fairchild Air Force Base. Per- and polyfluorinated alkyl substances or PFAS describes a class of over 4,700 synthetic organic chemicals; PFOA and PFOS are the most commonly studied and reported chemicals in that class.

In response, the City of Issaquah shut down one well and installed a filtration system to remove PFAS from the groundwater. The DOD directed all military installations to test their water for PFOS and PFOA and, when the chemicals were detected above 70 ppt, offer voluntary testing of nearby drinking water wells. 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. Ecology and other public agencies scrambled to address community concerns, test and find sustainable alternate water source, and continue to develop plans to address the contamination.

The lack of resources for CAP implementation has been the rule, not the exception. When the Washington Attorney General's Office was deciding in 2017 whether to join a lawsuit against the manufacturer of polychlorinated biphenyls or PCBs, 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 no 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. This work will benefit the Duwamish cleanup, the Orca Recovery executive order, Spokane River pollution reduction efforts, reduce ongoing exposure from existing products containing toxics, and avoid future expensive cleanups of these chemicals.

What are the specific benefits of this project?

Because toxics chemicals routinely escape from everyday consumer products, people and the environment are continually exposed to chemicals such as PFAS and PCBs. When CAPs identify priority actions to reduce impacts from the worst of the worst chemicals, it is critical to act on those recommendations. For example, it is estimated there are two tons of PCBs currently in Puget Sound sediments, yet there are an additional 87 tons of PCBs estimated to be in caulks in older buildings in Washington that will cause costly contamination if we don't intervene to cut off those sources before they cause harm (*'PCB Chemical Action Plan' – February 2015 Ecology publication no. 15-07-002, pgs. 11-14 at <https://fortress.wa.gov/ecy/publications/SummaryPages/1507002.html>*). This request will replace toxic products like PFAS-firefighting foam, and PCB-containing light ballasts and caulk, in a measurable way to help prevent ongoing and future contamination concerns and costs.

Other Supporting Materials:

Since the product replacement element of this proposal is a new concept to Ecology's LSC partnership, Ecology developed a survey to gather input on the implementation of a funding program that would provide financial assistance to small businesses to replace products or practices that reduce the use of toxic chemicals. Ecology sent it to all 21 LSC partners for feedback to

Capital Project Request

2019-21 Biennium

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Report Number: CBS002

Date Run: 9/10/2018 10:55AM

Project Number: 40000210

Project Title: Chemical Action Plan Implementation

Description

see if there was a true interest in participation, and what the particular need for a jurisdiction was if they were to participate. The summary of results from that survey are attached.

A recent presentation 'Toxics in Fish Implementation Strategy' provided by the Cascadia Consulting Group reinforces the need for product replacement (see presentation slides 15-17, and 26-27 at https://fortress.wa.gov/ecy/ezshare/hwtr/TIF_StrategiesEval2_Results_v1e.pdf). It was developed for the Benthic Index of Biotic Integrity and Toxics in Fish implementation strategies related to Puget Sound ecosystem recovery. The group tasked with developing these strategies is made up of members of the Stormwater Strategic Initiative Lead Team that includes staff from Ecology, Commerce, Puget Sound Partnership, Washington State University Stormwater Center, and members from the Puget Sound Institute.

What are the effects of non-funding?

CAPs identify priority actions to reduce impacts from the worst-of-the-worst chemicals. Without this requested funding, actions to reduce these toxic threats would be extremely limited or not take place at all. Ecology has no current mechanism to reduce or eliminate these chemicals impacting children, families, stormwater, sediment, salmon, and orcas. For chemicals like PFAS, there would likely be more contaminated water supplies or fish consumption advisories if the state doesn't cut off the sources of PFAS (such as firefighting foam).

If actions to prevent additional releases of CAP chemicals to the environment are not taken, expensive cleanup actions may be needed. And even small amounts of CAP chemicals entering the environment can be costly. A spilled mason jar containing mercury at a Yakima residence caused harm requiring medical intervention for a child and resulted in a \$650,000 cleanup¹. The amount of PCBs in one leaky \$38 light ballast, which contains 45 grams of PCBs, could cause over \$45 million (or \$1.0 million per gram) of harm to the Spokane River². The state's ability to prevent additional releases of CAP chemicals is crucial to achieve water quality and human health goals.

1 Information provided by EPA website of EPA incident responses nationwide 2007 Yakima Mercury Release.

2 Information provided by the City of Spokane Integrated Clean Water Plan – December 2014 (pg. 4-10) Figure 4-2 regarding estimated pollutant load reductions and cost per unit of pollutant removed.

Why is this the best option or alternative?

Over the years, Ecology has provided education and outreach to LSC partners on the importance of reducing the use of CAP chemicals. This strategy is limited and doesn't get measurable results. Ecology continues to fall further behind in addressing CAP recommendations. A more effective, measurable approach is to provide resources directly to our LSC network partners dedicated to removing and replacing select consumer and commercial products or technologies that contain CAP or other toxic chemicals before they get into the environment. Ecology believes this direct intervention with our LSC partners is the best way to achieve the most immediate, effective, and measurable reduction to impacts of CAP chemicals. LSC partners have an established history, know the businesses in their jurisdictions and are best suited to help identify candidate facilities for product and technology replacements. All current LSC partners have expressed interest and support for this proposed program.

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

Ecology already funds local jurisdictions through the LSC Partnership to provide free, one-on-one technical assistance to small businesses. Specialists in these jurisdictions show businesses how to properly manage and reduce their wastes and help diagnose and fix stormwater-related issues. Specialists also offer businesses help with complicated regulatory issues. The funding in this request will provide a financial incentive to businesses to eliminate sources of toxic chemicals. These CAP chemicals – PFAS, PCBs, PBDE flame retardants, lead and mercury – are difficult or impossible to clean up in wastewater or stormwater. The best way to prevent further environmental contamination, protect water quality, and reduce human health risk, is to eliminate these risks through active removal programs.

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:55AM

Project Number: 40000210

Project Title: Chemical Action Plan Implementation

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

The potential health and environmental effects from exposure to CAP chemicals, like PFAS and PCB, are widespread across the state. This makes it difficult to determine sufficient resources needed to remove and replace toxic chemicals present in consumer and commercial products or technologies before they get into the environment.

Ecology's strategy to administer the product replacement program will start on a small scale. Starting July 1, 2019, Ecology will work with the current LSC network to launch this proposal as a pilot in the Spokane, Puget Sound, and Vancouver regions. 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. New criteria, based on data provided by LSCs, will help determine the size and frequency of project funding, and which jurisdictions will receive the product replacement funding. Examples of data Ecology will collect include surveys to determine community needs; number and types of businesses within a targeted category; and potential non-state match funding to help complete projects.

Ecology will provide financial incentives through contract agreements between participating LSC partners (see the list below) and participating facilities for product replacement. Based on AAG interpretation of guidance 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, 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). Ecology and local government partners assume no liability of any nature arising from products or services funded through the replacement program.

How the funding for the product and technology replacement program will work:

Local governments interested in participating in the product and technology replacement program will apply as part of the regular biennial contract solicitation used for the LSC program. The 2019-21 LSC contract solicitation will be issued in early 2019.

As part of that application process, interested local governments will survey their jurisdictions to identify facilities wanting to participate in the replacement program, and their category(ies) of replacement products. Ecology will provide survey guidance to local governments in advance of the contract solicitation. Ecology will also provide eligibility requirements for LSC partners and for participating facilities, and the responsibilities participants must accept in order to receive financial incentive agreements (contracts).

If this request is funded, by July 1, 2019, as part of the biennial contract process, Ecology will evaluate the number of participating facilities and the type of product or technology replacements requested for each jurisdiction. Based on this information, Ecology will set aside an initial estimated replacement dollar amount for participating LSC partners. If overall demand is greater than dollars available, Ecology will narrow awards using pre-determined criteria.

Financial incentive agreements will be used to reimburse participating facilities for all or a percentage of eligible costs for specified product or technology replacements. Financial incentive agreements will be managed using a chain-of-custody procedure, much like laboratory samples. Reimbursement to participating facilities will only be made when the LSC field representative is satisfied that the participating facility has implemented the improvements the LSC field representative and the participating facility agreed to in the financial incentive agreement. Once the LSC submits the financial incentive agreement to Ecology for reimbursement, having met all of the requirements, it is the responsibility of Ecology's financial incentive program manager to complete the reimbursement process.

Ecology is requesting Local Toxics Control Account for this pilot project. Match funding will not be a requirement for eligibility, but jurisdictions that provide non-state funding for match purposes will be awarded points in the scoring element of the selection process. Ecology will evaluate the performance of the program at the end of the 2019-21 Biennium to determine next steps.

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Report Number: CBS002

Date Run: 9/10/2018 10:55AM

Project Number: 40000210

Project Title: Chemical Action Plan Implementation

Description

Current LSC network partnership: (by County)

Clallam

- City of Port Angeles

Clark

- Clark County Environmental Services

- Clark County Public Health

Jefferson

- Jefferson County Public Health

King

- City of Bothell

- City of Issaquah

- City of Kirkland

- City of Redmond

- City of Shoreline

- King County Water and Land

- Seattle Public Utilities

Kitsap

- Kitsap Public Health District

Pierce

- City of Puyallup

- City of Sumner

- Tacoma-Pierce County Health Department

Skagit

- Skagit County Department of Public Health

Snohomish

- Snohomish Health District

Spokane

- Spokane Regional Health District

Thurston

- Thurston County Health Department

Whatcom

- City of Bellingham

- Whatcom County Health Department

Are FTEs required to support this project?

Ecology requires a total of 1.15 FTE to provide administrative oversight and management of the \$3,450,000 that will be passed through to local governments in the Local Source Control Partnership to remove and replace toxic chemicals present in consumer and commercial products or technologies before they get into the environment.

How does the project support the agency and statewide results?

This request is essential to implementing a priority in Ecology's strategic plan to Prevent and Reduce Toxic Threats. Reducing toxic threats includes actions to first prevent pollution, and then manage pollution we can't prevent or cleanup pollution we can't manage. Reducing uses and releases of toxic chemicals such as PFAS and PCBs is a more effective and less costly than dealing with them after they are in the environment. For example, the PFAS interim chemical action plan recommendations include both setting a cleanup standard to guide future soil contamination efforts and additional investigation of other sources of PFAS, such as stain-resistant carpets, that may also be getting into the environment and requiring future cleanups or stormwater mitigation. We need to address both sides of the problem.

This request is essential to support the Governor's priority of keeping our state's water and air clean for our families and our families' families by reducing releases of and exposures to toxic chemicals of concern through the implementation of CAP

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:55AM

Project Number: 40000210

Project Title: Chemical Action Plan Implementation

Description

recommendations.

By reducing the releases and exposures to toxic chemicals in support of healthy lands and clean water, 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. This request makes a key contribution to statewide results by reducing negative impacts to the environment and human health from toxic chemicals.

This request supports the Puget Sound Action Agenda implementation through Near Term Actions 2018-0465, 2018-0470, 2018-0473, and 2018-0864. This request also supports the Puget Sound Action Agenda through the following Sub-strategy, Sub-strategy Regional Priority, and Vital Sign Regional Priorities:

Sub-strategy

- 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.

Sub-strategy Regional Priority

- 9.1.1 - Create and implement Chemical Action Plans.

Vital Sign Regional Priorities:

- TIF1.1 - Enhance pollutant reduction programs, corrective measures and increase authorities and programs to prevent toxic chemicals from entering Puget Sound.
- CHIN4.2 - Improve monitoring of pollutants (such as metals, hydrocarbons, PAHs, PBDEs) associated with stormwater and other sources. These point or nonpoint sources need to be identified and assessed to improve our understanding of their impacts to salmon resources.

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

Funding for this request will have an immediate positive financial impact on the fire districts within the state. This request will help communities that might have difficulty funding replacement and disposal of PFAS-containing firefighting foam at local fire departments. Funding this request will have an immediate positive environmental impact across the state by removing a major source of PFAS that is believed to contaminate groundwater.

Small businesses, in coordination with their LSC partners, will be eligible to receive financial assistance to remove and replace CAP chemicals present in select consumer and commercial products or technologies.

This request will also provide funding for replacement of dry cleaning technology that uses perchloroethylene (PERC). PERC has been the dominant dry cleaning solvent since the 1950s. It is now known to be a "likely human carcinogen" by all routes of exposure (EPA) and is considered a "probable carcinogen" by the International Agency for Research on Cancer and "reasonably anticipated to be a human carcinogen" by the National Toxicology Program. It does not readily degrade in the environment, is considered highly persistent, and has caused and continues to create toxic cleanup sites in Washington. This request will dovetail with a recently-launched King County technology swap out of PERC for water-based cleaning technology.

What is the impact on the state operating budget?

Ecology is submitting accompanying operating budget requests titled, "Effective Implementation of CAPs and "Local Source Control Program". These requests complement this capital budget request to use the LSC network to implement PFAS CAP recommendations, and then work on other priority recommendations from previous CAPs that still need funding, including plans that address PCBs, polycyclic aromatic hydrocarbons (PAHs), lead, polybrominated diphenyl ethers (PBDEs), and mercury. These are the most problematic chemicals impacting Washington.

Proviso

N/A

Project Type

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:55AM

Project Number: 40000210

Project Title: Chemical Action Plan Implementation

Description

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
174-1	Local Toxics Control-State	3,704,000				3,704,000
	Total	3,704,000	0	0	0	3,704,000
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
174-1	Local Toxics Control-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

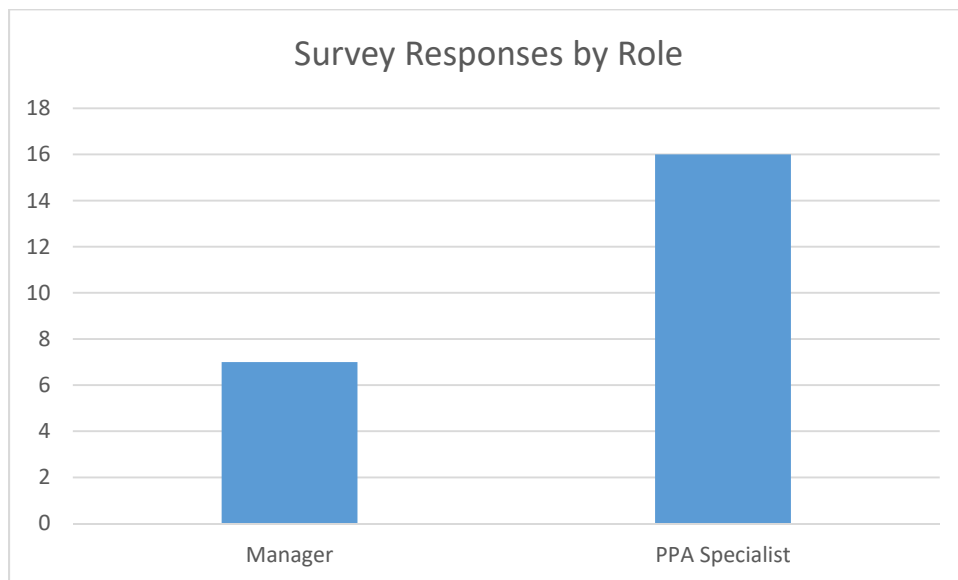
Local Source Control Partnership Response to Product or Equipment Replacement Budget Proposal

Survey Purpose Statement: To gather input from our Local Source Control Partnership, regarding the implementation of a funding program that would provide financial assistance to businesses to replace products or practices to reduce the use of toxic chemicals.

Date of survey: May 5 – May 9, 2018

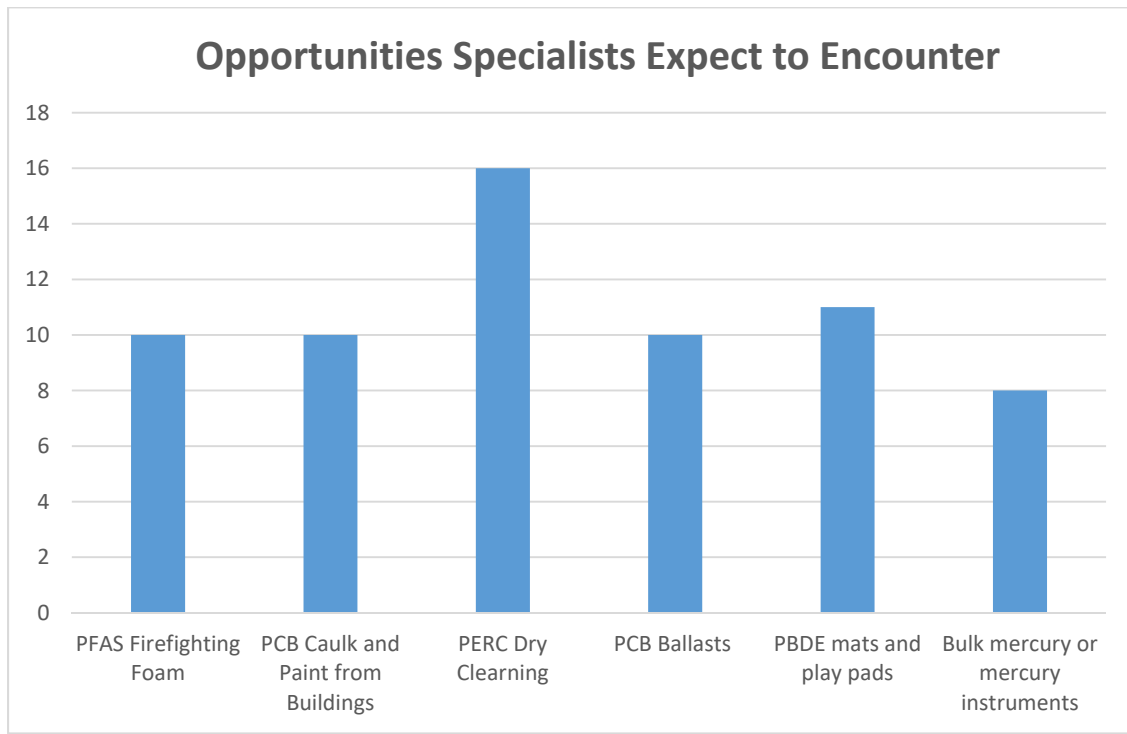
Summary

23 responses which encompassed 18 of the 21 current partners



100% of those who responded to the survey (23 individuals from 18 partners) are interested in adding the proposed incentive to their future Local Source Control Program!

We asked our partners which opportunities, they most expect to encounter within their jurisdiction. The chart below shows how many respondents thought they would find opportunities to implement product or practice changes in each of seven chemical/practice categories.

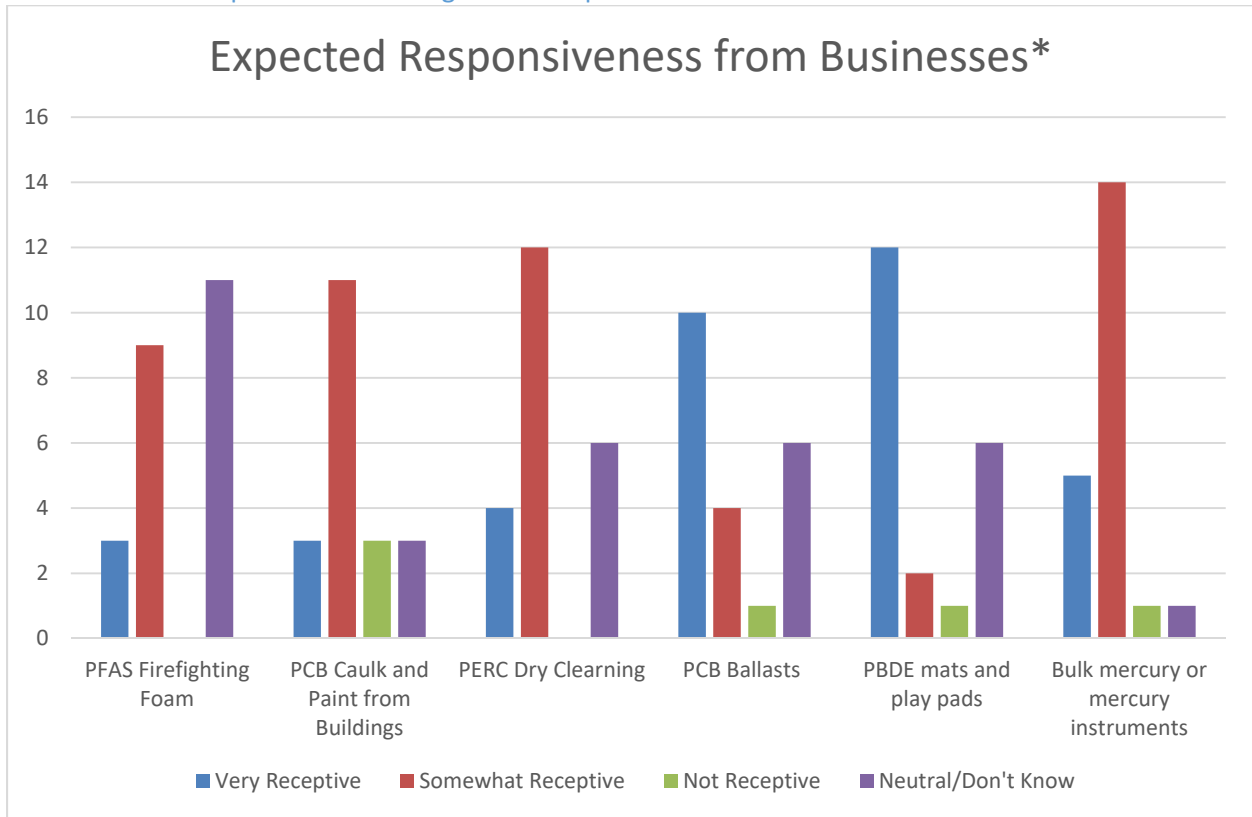


We asked our partners if they had ideas for other ideas that may benefit from similar product or practice swap out incentives. Below are some of the ideas shared with us.

Other incentive ideas suggested by LSC Specialists

- Methylene Chloride at manufacturing/furniture stripping businesses
- Parts washer chemicals (Bad actors such as lacquer thinner, MEK, etc.)
- Funding to change from volatile solvents for things like parts washers to more efficient parts washers and/or safer cleaners
- Safer Choice alternatives for solvents in auto shops, detail shops, etc.
- Hydrofluoric acid cleaners at truck/car washes

We asked our partners how receptive they thought businesses within their jurisdiction would be to participating in making changes at their business to address the chemicals in the chart below if they were offered a financial incentive. The chart shows how many respondents thought the businesses they visit would be receptive and their degree of receptiveness.



*Based on LSC Specialists' experience working businesses.

Supportive comment quotes:

- I think it's a great incentive!
- More tools and incentives are always welcome.
- I think this would be an excellent support program for the businesses we work with!
- Incentive programs (beyond complimentary spill kits) are a good way to enhance and grow this program...my humble opinion.
- Incentive programs are good if the replacement chemicals are nearly as effective as the chemicals being replaced and if the business can still compete with other like businesses.

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 9:51AM

Project Number: 40000147

Project Title: Waste Tire Pile Cleanup and Prevention

Description

Starting Fiscal Year: 2020

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 \$1.0 million to continue funding to prevent and remove waste tire piles, and enforcement and education on tire storage and hauling regulations. (Waste Tire Removal Account)

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

An environment free of waste tires is important to the public health of Washington citizens. Piles of waste tires harbor mosquitoes, snakes, and other vermin. West Nile Virus and now the potential for the Zika virus transmitted by mosquitos poses a threat 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 tire dumping is a significant issue on tribal lands. Historically, Washington has witnessed catastrophic tire pile fires, such as the Everett and Dorman tire fires of 1984. Funding is needed to prevent tire stockpiling and unwanted tire piles.

RCW 70.95.510 establishes a \$1 per tire fee on the retail sale of new replacement vehicle tires. Revenues from this fee are deposited in the Waste Tire Removal Account (WTRA), which are to be used for cleaning up 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.

During the 2015-17 Biennium, this dedicated funding was used to remove 33 abandoned tire piles, including piles on the Yakima Nation, and historic waste tire accumulations. It also funded 45 tire amnesty events hosted by local governments, where residents drop off waste tires at no charge. The cleanups were responsible for removing 2,169 tons of tires. Amnesty events netted 2,039 tons.

As noted in Attachment A, from 2007 to 2017, Ecology has removed over 130 million pounds of tires from 413 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 and flies. With Avian flu, the West Nile Virus, and possibly Zika Virus on the rise, 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, contaminating the water.

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 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 clean up illegal tire

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 9:51AM

Project Number: 40000147

Project Title: Waste Tire Pile Cleanup and Prevention

Description

piles. Minimal cleanups would occur through voluntary action of owners 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 2019-21 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 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 a total of 1.15 FTEs for this work. This is the same level of FTEs currently supporting this capital project in the 2017-19 Biennium. Staff is required to manage and coordinate tire grant efforts and provide technical support for prevention, enforcement, and removal efforts.

How does the project support the agency and statewide results?

This request is essential to implementing Ecology's strategic priority to "Prevent and Reduce Toxic Threats" 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 by removing tire piles, enforcing tire regulations, and educating businesses about proper handling, storage, recycling, and disposal. This helps protect ground and surface waters, prevents the spread of disease, prevents tire fires and their impact on air quality, and improves living conditions in communities. Reservations in Washington are large and attractive areas for dumping old tires, often by people who are not residents of the 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.

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Project Title: Waste Tire Pile Cleanup and Prevention

Description

What is the impact on the state operating budget?

None.

Proviso

N/A

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
08R-1	Waste Tire Removal A-State	5,000,000				1,000,000
	Total	5,000,000	0	0	0	1,000,000
Future Fiscal Periods						
		2021-23	2023-25	2025-27	2027-29	
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 2007-2017

Fiscal Year*	Ecology Expenditures	Tons of Tires Removed*	No 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
Total	12,521,219	67,163	413

*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.

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 9:26AM

Project Number: 40000128

Project Title: Mercury Switch Removal

Description

Starting Fiscal Year: 2020

Project Class: Grant - Pass Through

Agency Priority: 32

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 \$250,000 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. (State Toxics Control Account)

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

The Washington Automotive Mercury Switch Removal Program collects mercury switches from vehicle recycling facilities, preventing this highly toxic metal from being released to the environment. Until 2003, mercury was commonly used in electrical switches in cars, activating anything from a trunk light to an airbag. Hundreds of thousands of these vehicles are still on the road in Washington, and each year, many of these cars end up in recycling facilities where they are crushed or shredded.

Ecology has a memorandum of understanding with the Automotive Recyclers of Washington (AROW) and the End-of-Life Vehicle Solutions (ELVS) Corporation to establish a voluntary Automotive Mercury Switch Removal Program. Under the program, Ecology gives vehicle recyclers and scrap processors operating in Washington a small bounty to remove and recycle mercury switches from cars and trucks before the vehicles are shredded, crushed, or smelted. This request will fund the staff needed to implement the program and for bounties to the 223 auto recyclers and scrap processors currently participating in the program.

The mercury collection program processes invoices from vehicle recycling facilities, reconciles them against nationally published switch collection data, and provides payment to auto wrecking facilities. The program also provides about 100 technical assistance visits each year to vehicle recycling facilities; produces and distributes educational materials facilities to help with switch collection and removal; and provides additional environmental technical assistance as requested. Over the past decade, the program has collected about 300,000 switches and captured almost 600 pounds of mercury. Based on current collection rates, Ecology projects we will capture another 100 pounds of mercury over the next three years if funding is extended.

The success of Washington's collection program spurred the creation of the National Vehicle Mercury Switch Removal Program (NVMSRP). The NVMSRP and the Environmental Council of the States created ELVS to provide a structure for the takeback program, and ELVS manages the national program.

Since the national program started in 2006, Washington has consistently outperformed other states in collection efforts. Adjusted for population, Washington collects more mercury switches than any other state. The cash incentive and hands-on technical assistance are features that land Washington's program in the NVMSRP's top ten states every year in terms of collection rates. Only three other states have been in the top ten every year.

This request will continue the current mercury switch removal program through 2022, to align with the end date of the national collection program. The number of switches still available to collect is larger than originally projected, in part due to the 2008 recession that kept many older cars on the road longer than anticipated. This effort will pay for continuing switch bounties and dedicating a small amount of staff time to capture approximately 100 pounds of mercury beyond the current 600 pounds that has been recovered.

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Project Number: 40000128

Project Title: Mercury Switch Removal

Description**What opportunity or problem is driving this request?**

Mercury is a highly toxic substance formerly used in automotive electrical switches that is released into the environment when older vehicles are crushed, shredded, or smelted. Mercury in the environment bioaccumulates in fish, leading to significant health risks for people that eat locally caught fish.

Mercury is also a hazardous air pollutant. Electric arc furnaces that smelt steel from crushed and shredded vehicles are required to meet national ambient air quality standards under the Clean Air Act's National Emission Standards for Hazardous Air Pollutants. The Automotive Mercury Switch Removal Program helps these businesses meet their emission standards.

This program helps avoid future costs to citizens. The cost of cleaning up even what seems like a small amount of mercury can be huge. For example, in 2007, children in Yakima found some liquid mercury in a container in a garage and played with it in their home. EPA's site contact estimated that EPA spent approximately \$650,000 to respond and clean up, including removing soil and remodeling the home due to contamination (see EPA's site report at https://response.epa.gov/site/site_profile.aspx?site_id=2910).

The outcomes of this request will improve public health, decrease taxpayer costs for expensive cleanups, and provide a cleaner environment, which includes protecting Puget Sound. The participating businesses, mostly small businesses, will be supported with technical assistance, training, and cash incentives to collect and recycle mercury switches.

What are the specific benefits of this project?

Washington residents deserve to breathe clean air and eat fish from our waters that are free from mercury contamination. The Automotive Mercury Switch Removal Program is one way that Ecology works with small businesses to remove legacy sources of pollution from our environment. To date, the program has prevented nearly 600 pounds of mercury from being emitted into the air that we breathe and from being deposited into our waters. This program is an important piece in the puzzle to help protect Washingtonians from toxic mercury exposure.

Ecology estimates at least 450,000 affected vehicles are still driving on Washington roads, and there are about 2.25 switches per vehicle, or about 1,012,500 total switches. Based on current participation rates, about one-third of these, or 337,500 switches, will be collected. Each switch has 0.000311 pounds of mercury. If this program continues through Fiscal Year 2022, about 105 pounds of mercury will be collected.

What are the effects of non-funding?

Without the bounty incentives, it is likely many of the vehicle recyclers and scrap processors currently participating in the mercury switch removal program would stop doing so, increasing the risk of environmental contamination. Currently, a half-time position manages the program for Ecology. If this position is not funded, Ecology could not provide supplies, education materials, and technical assistance to the businesses collecting the switches. Discontinuing this program would mean that at least 105 pounds of mercury could be released into the environment, putting Washington residents at risk of exposure to mercury in the air and water, and in the fish they eat.

Why is this the best option or alternative?

This program resulted through development of the memorandum of understanding (MOU) between Ecology, AROW, and ELVS, and from discussions in the Legislature. Washington's collection program was the model for the national collection program.

One alternative is to allow the program to lapse after June 2019. But this program has made a notable difference in safely managing mercury in Washington since 2006, and there are still over 450,000 vehicles with mercury containing switches operating on Washington roads. Since 2006, the program has safely managed nearly 600 pounds of mercury. Continuing the program for another three years (Fiscal Years 2020 through 2022) will ensure that approximately 105 pounds of mercury is collected and safely managed through the partnership between Ecology, local governments, and the private sector.

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Project Number: 40000128

Project Title: Mercury Switch Removal

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

This program began in Fiscal Year 2007 (July 2006), and has had significant results. In the 2006 Legislative Session, the Legislature appropriated \$1 million and 1.0 FTE to develop and implement this program. During the 2015-17 Biennium, the program received an additional \$500,000 appropriation from the Legislature. Approximately \$1,386,000 has been spent to date, and Ecology estimates the remaining \$114,000 will be spent by the end of the 2017-19 Biennium.

This request will provide funding in the 2019-21 Biennium to continue collecting mercury switches from vehicles. Funding the program for three more years will ensure an average of 35 pounds of mercury is collected and safely managed each year.

The success of this program has been due in large part to the personnel conducting educational workshops, working closely with interested businesses, and conducting site visits to provide technical assistance.

Ecology will continue to strengthen relationships with and outreach to our clients. This includes:

- In-person site visits to auto wreckers in all regions of the state.
- Phone calls, emails, letters, and faxes to address switch collection and resolve invoice issues.
- Continued coordination with all eight Washington State Patrol (WSP) district auto wrecking representatives.
- Continued coordination with the Yakima, Tulalip, and Colville tribes.
- Continued comprehensive Certified Automotive Recycler (CAR) Environmental Audits at auto part stores throughout the state.

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

Ecology expects that the funding will be exhausted by the end of Fiscal Year 2022. We estimate that the majority of vehicles with mercury switches will be out of circulation within that period, tapering off over the next six years.

Are FTEs required to support this project?

This request requires a total of 0.29 FTE to provide outreach and technical assistance to wrecking and recycling facilities participating in the Automotive Mercury Switch Removal Program, which is about the same level of FTE supporting this work in the 2017-19 Biennium.

How does the project support the agency and statewide results?

This project is essential to implementing Ecology's strategic priority to "Prevent and Reduce Toxic Threats", because it reduces the release of mercury, a hazardous substance, into the environment where it can bio-accumulate and create risks to human health. It also reduces the potential for future site contamination that could result from improper handling of vehicles containing mercury switches.

This request makes a key contribution to statewide results by:

- Protecting human health and the environment from the release of mercury.
- Protecting natural resources and cultural/recreational opportunities.
- Improving economic vitality of businesses and individuals.

This request provides essential support to the following Governor's Results Washington priorities:

- Goal 3, Sustainable Energy and a Clean Environment: The Automotive Mercury Switch Removal Program supports outcome measure 3.2 Clean, Cool Water to increase the percentage of rivers meeting good water quality from 43% to 55% by 2020.
- Goal 4, Healthy and Safe Communities: The Mercury Switch Removal program contributes to outcome measure 1.2 Decrease percentage of adults reporting fair or poor health from 15 percent in 2011, to 14 percent by 2020, by reducing toxic threats from mercury and keeping it from being released into the environment and the Sound.

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Project Number: 40000128

Project Title: Mercury Switch Removal

Description

This request supports Puget Sound Action Agenda implementation of Sub-strategy 9.1, to implement and strengthen authorities and programs to prevent toxic chemicals from entering the Puget Sound ecosystem by reducing hazardous waste and discharges of toxic chemicals being released into the environment. Specifically, it supports Sub-strategy Regional Priority 9.1-1, create and implement Chemical Action Plans (CAPs specific to mercury) as well as Vital Sign Regional Priority TIF1.1, enhance pollutant reduction programs, corrective measures and increase authorities and programs to prevent toxic chemicals from entering Puget Sound.

As vehicles are shredded, mercury can be released into the environment – including the waters of Puget Sound. Three of the four vehicle shredders in Washington are located along the banks of the Puget Sound. By collecting mercury vehicle switches, it will reduce toxic threats from mercury and keep it from being released into the environment and the Sound.

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

Funding this request will continue the cooperative working relationship between Ecology, local governments, and the private sector.

What is the impact on the state operating budget?

None

Proviso

N/A

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
173-1	State Toxics Control-State	250,000				250,000
	Total	250,000	0	0	0	250,000

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Project Title: Mercury Switch Removal

Funding

	Future Fiscal Periods			
	<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>
173-1 State Toxics Control-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

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**Department of Ecology
2019-2029 Capital Budget**

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Report Number: CBS002

Date Run: 9/7/2018 4:33PM

Project Number: 40000110

Project Title: 2019-21 Water Pollution Control Revolving Program

Description

Starting Fiscal Year: 2020

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 \$216 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 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 \$1.9 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:

- \$56 million from the Water Pollution Control Revolving Account (WPCRA) – Federal (Fund 727–2) for new federal capitalization grants.
- \$160 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 \$12 million from the State Taxable Building Construction Account to the WPCRA.

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 grants that 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.
- Water quality needs of financially distressed communities.

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:

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Description

-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.

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 a consent decree, compliance order, Total Maximum Daily Load (TMDL), or waste load allocation.
- Restoring and protecting designated uses of Washington's waters, such as drinking water, aquatic habitat, and shellfish harvesting.

The economic value water quality infrastructure projects provide to the community and economy includes short-term benefits

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Project Number: 40000110

Project Title: 2019-21 Water Pollution Control Revolving Program

Description

by supporting construction jobs and long-term benefits by funding sustainable clean water infrastructure that also supports growth and economic development.

This request will also provide economic benefits to the state by creating up to 387 jobs during the next three 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 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 \$216 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 protect public health; restoration of water quality statewide and in Puget Sound; public health protection; 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 EPA, 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 State Taxable Building Construction Account.
- 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 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.

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Version: BI Biennial 2019-21 Initial

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Date Run: 9/7/2018 4:33PM

Project Number: 40000110

Project Title: 2019-21 Water Pollution Control Revolving Program

Description**How does the project support the agency and statewide results?**

This request is essential to implementing Ecology's strategic priorities to Deliver Integrated Water Solutions and 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 also supports the strategic priority to 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.

This request provides essential support to the Governor's Results Washington 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.

It also supports 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.

This request supports Puget Sound Action Agenda implementation through Near Term Actions 2018-0444, 2018-0445, 2018-0448, 2018-0450, 2018-0473, 2018-0655, 2018-0887, and 2018-0943 as well as Strategy 10 - Use a comprehensive approach to manage urban stormwater runoff at the site and landscape scales by providing funding to local governments through the CWSRF program and directly supports regional priorities. This request also supports these sub-strategies:

- 10.1: Manage urban runoff at the basin and watershed scale by providing financial assistance for basin and watershed planning focused on stormwater management and nonpoint source pollution identification and control.
- 10. 2: Prevent problems from new development at the site and subdivision scale by providing financial assistance for watershed or catchment based capital planning with priority given to water quality protection and improvements made through integrated approaches to pollution reduction.
- 10. 3: Fix problems caused by existing development by providing funding with an emphasis on regional approaches to constructing pollution control activities. The CWSRF program provides funding for design and construction phases for permitted facility projects with an emphasis on regionalizing where cost beneficial.

This request also supports sub-strategy 11.1, Targeting voluntary and incentive-base programs that help working farms contribute to Puget Sound Recovery and 13.3, Improving and expanding funding for small and local Onsite Sewage Systems (OSS) Programs.

Regional Priorities:

- CHIN2.5-Establish and enforce water quantity and quality standards that protect, conserve, and restore water resources for salmon.
- LDC3.3-Implement integrated strategies and policies to protect and restore ecologically important lands.
- BIBI3.1-Facilitate the increased use or performance of best management practices in working/rural lands.

Ongoing Program:

- Provide WQ Financial Assistance

Also, this request supports efforts under the Governor's Executive Order 18-02, Southern Resident Killer Whale Recovery, through funding projects that reduce toxic pollutant migration to Puget Sound.

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 4:33PM

Project Number: 40000110

Project Title: 2019-21 Water Pollution Control Revolving Program

Description

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

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 currently 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.

Proviso

N/A

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
727-1	Water Pollution Cont-State	800,000,000				160,000,000
727-2	Water Pollution Cont-Federal	280,000,000				56,000,000
Total		1,080,000,000	0	0	0	216,000,000

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Project Number: 40000110

Project Title: 2019-21 Water Pollution Control Revolving Program

Funding

	Future Fiscal Periods			
	2021-23	2023-25	2025-27	2027-29
727-1 Water Pollution Cont-State	160,000,000	160,000,000	160,000,000	160,000,000
727-2 Water Pollution Cont-Federal	56,000,000	56,000,000	56,000,000	56,000,000
Total	216,000,000	216,000,000	216,000,000	216,000,000

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 2020 Water Quality Financial Assistance Funding Guidelines <https://fortress.wa.gov/ecy/publications/SummaryPages/1810030.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 2018) 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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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 5:07PM

Project Number: 40000116

Project Title: 2019-21 Centennial Clean Water Program

Description

Starting Fiscal Year: 2020

Project Class: Grant - Pass Through

Agency Priority: 4

Project Summary

This request for \$60 million 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**What is the proposed project?**

Ecology administers the Centennial Clean Water Program (CCWP), providing grants to finance construction of water pollution control facilities in small, financially challenged communities, and to plan and implement nonpoint source pollution control activities. Examples of projects funded by the CCWP include:

- Constructing wastewater treatment facilities in financially challenged communities as required by water quality permits and enforcement orders to meet state and federal water quality standards.
- Programs for eliminating failing 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.
- Public involvement and education as a component of water quality implementation projects.
- Protecting groundwater and critical groundwater recharge areas that, in turn, protect public drinking water sources.

For the 2019–21 Biennium, Ecology is requesting \$60 million in appropriation for statewide water quality project implementation.

What opportunity or problem is driving this request?

A number of ongoing and emerging issues drive Washington State 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 grants that 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.
- Water quality needs of financially distressed communities.

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Project Number: 40000116

Project Title: 2019-21 Centennial Clean Water Program

Description

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. 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 not met in the 2017-19 Biennium, plus ongoing communication with small community stakeholders with wastewater facility planning, design and construction needs, Ecology expects the demand for hardship financial assistance in the 2019-21 Biennium will be around \$121.5 million for 31 communities, based on a recent needs survey (see attachment A). Of this, Ecology estimates that at least half of this amount (\$60 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 needed 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.

Additionally, based on demand from past water quality funding lists, there is also an ongoing need for an additional \$30 million for nonpoint source pollution control projects. The total estimated biennial CCWP need is \$90 million, and Ecology is requesting \$60 million to fund the highest priority projects.

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*.
- 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, 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.

This request will also provide economic benefits to the state by creating up to 153 jobs during the next three years based on Office of Financial Management estimates.

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Project Number: 40000116

Project Title: 2019-21 Centennial Clean Water Program

Description**What are the effects of non-funding?**

Water quality and public health statewide would be impacted if these grant dollars are not available to address water quality facilities and activities projects. Small, financially distressed communities throughout the state would not receive CCWP grant funds to help them construct 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 already achieved would slowly lead back to impairments. CCWP funds are used to provide a required 40 percent match to 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 development (infrastructure capacity) opportunities associated with these projects would not be realized.

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 \$60 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 Model Toxics Control Act funds are not available.

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?

This request is essential to implementing Ecology's strategic priority to Deliver Integrated Water Solutions, Protect and Restore

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 5:07PM

Project Number: 40000116

Project Title: 2019-21 Centennial Clean Water Program

Description

Puget Sound, and Reduce and Prepare for Climate Impacts by continuing to fund community projects for water pollution control infrastructure so that:

- Nonpoint pollution and nutrient discharges are reduced.
- Reclaimed water and water reuse facilities are developed that help small communities become resilient and sustainable in water short areas.
- Stream buffers are increased to address stream flow dynamics, temperature impacts, and carbon sequestration.
- Water quality is improved.

This request is essential to support two of the Governor's Results Washington Goals.

Goal 2: Prosperous Economy by:

- Generating jobs for people that will repair or replace water quality infrastructure so that the capacity to maintain and grow healthy communities is improved.
- Helping small communities build affordable, effective, and sustainable clean water infrastructure projects so that impacts to residential rate payers are reduced and business opportunities that support vibrant communities are improved.

Goal 3: Sustainable Energy and a Clean Environment by:

- Requiring grant recipients to evaluate and implement, where feasible, energy and water efficiencies for wastewater and stormwater infrastructure and outline their efforts to reduce greenhouse gas emissions.
- Repairing and replacing failing onsite sewage systems so that shellfish beds can be better protected.
- Identifying and fixing failing sewage systems so that public health risks are reduced.
- Integrating environmental education and outreach to improve connections with outdoor recreation so that there is an emphasis on water quality protection and restoration in CCWP projects.
- Protecting and restoring stream corridors, implementing riparian buffers and reducing non-point pollution so that Puget Sound habitat function is improved and estuaries are restored and protected.
- By funding projects that help local entities reduce pollution of our lakes, rivers, marine waters, and estuaries so that streams and groundwater is protected.

This request supports Ecology's integrated water quality financial assistance program by leveraging and augmenting loan funds through the Water Pollution Control Revolving Fund (SRF) loan program, the Stormwater Financial Assistance Program, and the Clean Water Act Section 319 federal grant program. Through the integrated funding program, Ecology continues to apply Lean principles in an effort to improve efficiency in service delivery and improve access to funding for high-priority projects that deliver multiple benefits. Cross-program and cross-agency coordination are also key elements of the water quality financial assistance programs. Ecology is committed to supporting the Infrastructure Assistance Coordinating Council (IACC) as a cross-agency collaborative approach to providing infrastructure, financial, and technical assistance to communities throughout Washington.

This request supports Puget Sound Action Agenda implementation through Near Term Actions 2018-0444, 2018-0445, 2018-0448, 2018-0450, 2018-0473, 2018-0655, 2018-0887, and 2018-0943 as well as Ongoing Program, Provide WQ Financial Assistance. This request also supports Puget Sound Action Agenda implementation through Strategy 10, Use a comprehensive approach to manage urban stormwater runoff at the site and landscape scales by providing funding to local

Capital Project Request

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Description

governments through the CCWP and directly supports regional priorities and these sub-strategies:

-10. 1: Manage urban runoff at the basin and watershed scale by providing financial assistance for basin and watershed planning so that stormwater management and non-point source pollution can be identified and controlled.

-10. 2: Prevent problems from new development at the site and subdivision scale by prioritizing financial assistance for watershed or catchment based capital planning so that pollution is reduced and water quality is protected.

-10. 3: Fix problems caused by existing development by providing funding with an emphasis on regional approaches so that pollution control activities are implemented in the most cost effective way possible.

-11.1: Targeting voluntary and incentive-base programs that help working farms contribute to Puget Sound recovery.

-13.3: Improve and Expand funding for small and local onsite sewage systems (OSS).

This request also supports Regional Priorities:

-CHIN 2.5: Establish and enforce water quantity and quality standards that protect, conserve, and restore water resources for salmon.

-LDC 3.3: Implement integrated strategies and policies to protect and restore ecologically important lands.

-BIBI 3.1: Facilitate the increased use or performance of best management practices in working/rural lands.

Also, this request 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.

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

Many local governments and 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 local governments and other state and federal agencies to coordinate the funding and technical assistance for wastewater treatment facility projects.

Together, these agencies leverage funds to meet the financial situation of the community. Many small communities with large-scale projects use multiple funding sources, including the CCWP, the SRF, Stormwater Financial Assistance Program, Public Works Assistance Account, Community Development Block Grants, the State Tribal Assistance Grant Program, and U.S. Department of Agriculture Rural Development. CCWP funding for nonpoint source projects is also commonly linked with funding from the Recreation Conservation Office, Conservation Commission and Conservation Districts, National Resource Conservation Service, and city and county leveraged projects.

Ecology is currently 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 Centennial funding, supports improved statewide financial assistance and water quality project outcomes and also allows us to better serve small, financially challenged communities that receive Centennial grant assistance and CWSRF loan funding.

Proviso

N/A

Project Type

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Project Number: 40000116

Project Title: 2019-21 Centennial Clean Water Program

Description

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	300,000,000				60,000,000
	Total	300,000,000	0	0	0	60,000,000
Future Fiscal Periods						
		2021-23	2023-25	2025-27	2027-29	
057-1	State Bldg Constr-State	60,000,000	60,000,000	60,000,000	60,000,000	
	Total	60,000,000	60,000,000	60,000,000	60,000,000	

Operating Impacts

No Operating Impact

Centennial Clean Water 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 2020 Water Quality Financial Assistance Funding Guidelines <https://fortress.wa.gov/ecy/publications/SummaryPages/1810030.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 2018) 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.

Washington State Small Communities with Wastewater Facility Financial Assistance Needs In the 2019-21 Biennium

Purpose: This document contains results of Ecology's needs survey outreach to small communities with populations under 10,000 with planned wastewater facility projects anticipated to occur in the 2019-21 Biennium. This list documents statewide hardship/small community wastewater needs, but does not represent actual applications at this time. Applications for funding are expected in state fiscal years 2020 and 2021.

	Community Name	Project Title	Project Category	Total Est. Cost	Project Phase	Year Planned
1	Brier	Sewer Plan Update	System Planning	\$46,800	Planning Only	2019
2	Chehalis	Replace/Upgrade Riverside & Prindle Pump Station Forcemains	Sewer Replacement/Repair	\$1,500,000	Design and Construction	2020
3	Cle Elum	Downtown Revitalization Plan, Phase 2 Stormwater Infrastructure	Infiltration/Inflow (I/I) Correction	\$910,000	Design and Construction	2019
4	Colfax	Colfax Sewer Rehabilitation	Sewer Rehabilitation	\$336,592	Construction	2019
5	Colville	Mason Heights Sewer Replacement	Sewer Replacement/Repair	\$120,000	Design and Construction	2019
6	Confederated Tribes of the Chehalis Indian Reservation	Chehalis Indian Reservation Sewer System Improvements	Advanced Treatment and New Collector Sewer	\$7,510,000	Design and Construction	2020
7	Connell	Country Estates Collection System	New Collector Sewers	\$750,000	Design and Construction	2020
8	Coupeville	Headworks Upgrade	Secondary Treatment	\$200,000	Design and Construction	2019
9	Creston	Updated telemetry	Secondary Treatment	\$24,000	Planning Only	2019
10	Elmer City	Elmer City Waste Water Treatment Facility	System Planning	\$3,500,000	Design and Construction	2020
11	Forks	Secondary Clarifier	Secondary Treatment	\$1,000,000	Planning Only	2021
12	Friday Harbor	Treatment Project 1 (Extended Aeration Plant Upgrade) and Outfall Repair	Secondary Treatment	\$4,160,400	Design and Construction	2020
13	Granite Falls	Wastewater Treatment Plant Expansion	Secondary Treatment	\$13,400,000	Design and Construction	2021
14	Lewis County Water & Sewer Dist 6	Basin #1 Sewer Plan	System Planning	\$150,000	Planning	2019
15	Lummi Tribal Sewer and Water District	Lummi Tribal Sewer Rehabilitation	Sewer Rehabilitation	\$4,635,000	Design and Construction	2020
16	Mossyrock	Wastewater Treatment Facility Upgrade	General Planning	\$350,000	Planning	2021
17	Napavine	Upgrade or replace rush road sewer station	New Collector Sewers	\$1,500,000	Planning and Design	2020
18	Republic	Inflow & Infiltration abatement	Infiltration/Inflow (I/I) Correction	\$2,800,000	Design and Construction	2020
19	Ritzville	Manhole and sewer line replacement	Sewer Replacement/Repair	\$30,000,000	Design and Construction	2020

	Community Name	Project Title	Project Category	Total Est. Cost	Project Phase	Year Planned
20	Rockford	Weaver/Pacific Sewer Main Replacement	Infiltration/Inflow (I/I) Correction	\$250,000	Design and Construction	2020
21	Rosalia	Wastewater Collection System Improvements	Infiltration/Inflow (I/I) Correction	\$6,894,574	Design and Construction	2020
22	Royal City	Royal City Water Reclamation Facility Plan	System Planning	\$310,000	Planning Only	2020
23	Sequim	Multiple Wastewater Treatment and Collection System Upgrades	Sewer Replacement/Repair	\$11,900,000	Planning, Design and Construction	2018-2021
24	St. John	New treatment plant planning	Sewer Replacement/Repair	\$131,000	Planning and Design	2019
25	Starbuck	Wastewater Treatment site control panel upgrade	Reclaimed Water Distribution	\$70,000	Construction Only	2019
26	Stevenson	Stevenson WWTP Upgrade and Collection System Extension	Sewer Replacement/Repair	\$18,597,000	Design and Construction	2021
27	Vader	Wastewater Treatment Facility Upgrade	Sewer Replacement/Repair	\$6,000,000	Construction Only	2021
28	Waitsburg	Waitsburg WWTP	Secondary Treatment	\$300,000	Construction Only	2020
29	Warden	West Warden wastewater collection system extension with 2 Lift Station	New Collector Sewers	\$2,700,000	Design and Construction	2020
30	Washtucna	Sewer Facility Planning	System Planning	\$750,000	Planning Only	2020
31	Waterville	Collection System Repairs	Infiltration and Inflow Correction	\$750,000	Design and Construction	2019
Total Assistance Need				\$121,545,366		

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Date Run: 9/10/2018 9:29AM

Project Number: 40000129

Project Title: 2019-21 Floodplains by Design

Description

Starting Fiscal Year: 2020

Project Class: Grant - Pass Through

Agency Priority: 5

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**What is the proposed project?**

Ecology requests \$70 million from the State Building Construction Account to continue flood-hazard reduction efforts addressed in the capital Floodplains by Design grant program. Since the 2013-15 Biennium, the state has appropriated \$121 million to pay for 25 floodplain restoration projects, and a competitive grant program has helped pay for an additional 13 other high-ranking, flood-hazard reduction projects.

These projects restore natural floodplain conditions by preserving open spaces, correcting problems created by earlier but erroneous flood control actions, improving long-term community flood resilience, reducing flood risks to infrastructure and development, and improving habitat conditions for salmon and other species.

As of 2016, Floodplains by Design projects have reduced flood hazards in 38 communities, reconnected more than 1,000 acres of floodplains, restored critical salmon habitat in more than 10 miles of river systems, and removed nearly 430 residences from the high-risk flood zone.

For example, the city of Orting's levee setback project created more water storage and conveyance capacity for the Puyallup River. The project has changed the stage at which the river floods, from 3,000 to 10,000 cubic feet per second. A mere two weeks after the project was completed, flows in the river reached levels that would have previously caused moderate flood damage and required evacuation of thousands of residents. Instead, the river remained within its banks, and no evacuation was needed.

Competitive grants have funded land acquisitions, setback levee construction and levee removals, stream rehabilitation, bridge and culvert flow restriction corrections, and removing existing development within floodplains. Local communities have been able to significantly reduce or even eliminate their flood hazards.

The Floodplains by Design program complements and works in concert with other floodplain initiatives to reduce flood hazards and improve ecosystem functions. Projects also improve salmon habitat and water quality, increase recreational opportunities, and promote economic development. Recipients are required to match their grant awards.

Once each biennium, Ecology sends out a request for proposals to potential grant recipients, asking for preliminary proposals that meet Floodplains by Design criteria. Potential recipients include local and tribal governments, flood control and conservation districts, and non-governmental organizations.

We work with our partners from The Nature Conservancy and Puget Sound Partnership to review preliminary proposals based on flood hazard, risk reduction, ecosystem protection and restoration outcomes, other public benefits, and project schedule and costs. After we review preliminary proposals, those that meet the review criteria are invited to submit full grant applications.

For the 2019-21 budget cycle, 22 grant applicants are seeking a total of \$85 million for Floodplains by Design projects.

Full grant applications will be scored and ranked by Ecology with outside expertise from The Nature Conservancy, Washington

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Description

Department of Fish and Wildlife; Washington Emergency Management Division; Puget Sound Partnership; Federal Emergency Management Agency; U.S. Geological Survey; U.S. Fish & Wildlife Service; and National Oceanic and Atmospheric Administration. Decisions are based on the following criteria:

- Flood hazard/risk reduction.
- Floodplain ecosystem protection or restoration.
- Agricultural viability.
- Water quality.
- Public access and recreation
- Cost effectiveness and long-term cost avoidance.
- Demonstration of need.
- Demonstration of support from affected stakeholders.
- Readiness to proceed.
- Other factors, including pilot projects, leverage opportunities, equity or social justice, and Puget Sound floodplain priorities.

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.

Ecology will submit the final Floodplains by Design project list for Office of Financial Management and legislative budget consideration by November 1, 2018.

What opportunity or problem is driving this request?

Before the floodplain management grants project was created in the 2013-15 Capital Budget, no comprehensive funding existed in the capital budget to support flood-risk reduction efforts. In most biennia, several million dollars were appropriated for specific flood projects, and most funding was earmarked for improvements to major levees protecting urban areas on the Green and Skagit rivers. There were no funding opportunities for multi-benefit floodplain management projects, which are essential for meeting Puget Sound Action Agenda objectives and reducing hazards in flood-prone areas, including Yakima and Pierce counties.

With the competitive capital funds for floodplain management grants in the last three biennia, Ecology was able to fund proof-of-concept projects in the major river basins around Puget Sound, and smaller versions of projects across the state. All projects follow the multiple benefits approach to reduce flood risks, such as reducing floodwater depths, preventing river avulsions, and reducing or removing the structures vulnerable to flooding – while also improving the ecosystem.

Local stakeholder involvement and support are central to this process. Human population impacts put increasing pressure on floodplains across the state, which continually escalates the cost of flood damages. At the same time, other efforts like salmon recovery and water quality improvements often conflict with traditional flood hazard remedies. Using a multi-benefit approach helps alleviate these conflicts and meet multiple objectives. For example, a project in the Lower Dungeness watershed includes upgrading irrigation piping to conserve water and improve the reliable supply of agricultural water; buying land and removing a damaged and non-functioning levee system; and restoring the habitat for salmon recovery in the estuary and river system. It also provides new open space for public access and recreation. Ecology will invest new capital funding into these types of multi-benefit projects.

Ecology continues to make improvements to the Floodplains by Design program. The first appropriation for this program in the 2013-15 Biennium included the first projects to take a coordinated investment approach toward floodplain management. These provisioned projects were modeled on the idea that capital dollars could be spent over multiple biennia. But this approach can lead to large funding reappropriations.

Ecology conducted an internal review of the grant program in March 2018, including the scoring system, guidelines, application procedure, staffing levels, grant management, and spending rates. As a result, Ecology will make some changes for the 2019-21 Biennium to expedite project completion and lower the need for reappropriated funds. One improvement is that the Floodplains by Design project list for the 2019-21 Biennium will only include projects that are ready to proceed and can be completed within two to three years.

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Description

Finally, under a 2018 capital budget proviso, the Floodplains by Design program was directed to study potential authorizing actions for the program. This included assessing the statewide need for projects and funding levels, potential statutory action, and gathering broad stakeholder input. The final report is due to the Legislature by December 1, 2018.

What are the specific benefits of this project?

These multi-benefit flood management projects will help reduce flood hazards and improve river habitat for salmon and other species. The Floodplains by Design program lowers long-term costs by creating more resilient approaches for reducing flood hazards.

These projects will reduce repeated losses due to flood damage. FEMA, the Federal Emergency Management Agency, estimates that three dollars are saved for every one dollar invested in flood hazard mitigation.

This project 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 Floodplains by Design 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.

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 floodplains around the state. Continuing to do floodplain management projects on a piecemeal or site-specific approach may exacerbate instead of help community flood hazards. Also, these approaches fail to integrate other ecosystem actions taken by Ecology and other natural resource agencies. Local resources alone aren't enough to achieve game-changing actions, such as levee setbacks. Relying on local resources creates 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 Floodplains by Design grants, Ecology will provide ongoing assistance to local 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. For more information, the program funding guidelines are available at <https://fortress.wa.gov/ecy/publications/SummaryPages/1506019.html>

Funding for this request includes \$15,000 to maintain and update the grant or loan applications in the agency systems.

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Project Number: 40000129

Project Title: 2019-21 Floodplains by Design

Description**Are FTEs required to support this project?**

This project requires a total of 5.18 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 the same level of staff that manage the program in the 2017-19 Biennium.

How does the project support the agency and statewide results?

This request will help implement Ecology's strategic plan by protecting and restoring functioning floodplains in Puget Sound; delivering integrated water solutions through increased financial assistance to support community-based projects to reduce flood hazards and provide ecosystem benefits; reducing and preparing for climate change impacts by considering future flooding scenarios; and designing flood hazard reduction approaches.

This request also supports Results Washington Goal 3, Sustainable Energy and a Clean Environment, by preventing flood damage that would introduce pollutants into our rivers and shoreland areas and preventing and mitigating flooding hazards in communities to promote safer communities; Goal 4, Healthy and Safe Communities, by funding projects that provide necessary resources and community assistance to prevent loss of life and property created by 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 water quality improvement.

This request supports Puget Sound Action Agenda implementation through Near Term Actions 2016-0213, 2016-0401, 2018-0640, and 2018-0730 and supports the 2016-18 Puget Sound Action Agenda's habitat initiative, Strategy 5, to protect and restore floodplain function and protect and maintain intact functional wetlands and sub-strategies 5.3, protect and maintain intact functional floodplains and 5.4, implement and maintain priority floodplain restoration projects.

This request supports Sub-Strategy Regional Priorities:

-5.3-1: Focus on rural and agricultural landscapes with opportunities to protect and provide access to priority habitat for threatened and endangered species such as Chinook salmon, steelhead, and summer chum salmon.

-5.3-2: Improve data and information (such as floodplain mapping, inundation, channel migration zone, historic habitat analysis) to accelerate floodplain protection, restoration, and flood hazard management. Relates to land use activities and potential impacts on floodplain habitat processes.

This work helps address the Puget Sound Partnership's goal of restoring at least 15 percent of the floodplain connectivity in the Puget Sound basin.

This request also supports Vital Sign Regional Priorities:

-FP3.3: Implement plans and priorities to restore habitat.

-FP3.2: Implement plans and priorities to protect habitat.

-FP2.1: Collaborative, multi-benefit groups develop a plan that prioritizes locations to restore or protect.

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Description

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

An important Floodplains by Design 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 Program (FCAA), as required under 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. While the full \$4 million transfer was established for the 2017-19 Biennium, \$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

Project Type

Grants

Grant Recipient Organization: TBD, A final ranked project list will be provided by November 1, 2018.

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		2019-21 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						
		2021-23	2023-25	2025-27	2027-29	
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	

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Project Title: 2019-21 Floodplains by Design

Operating Impacts

No Operating Impact

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Project Number: 40000144

Project Title: 2019-21 Stormwater Financial Assistance Program

Description

Starting Fiscal Year: 2020

Project Class: Grant - Pass Through

Agency Priority: 6

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 for \$60 million 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**What is the proposed project?**

In 2013, the Legislature directed Ecology through a provision in the 2013-15 Capital Budget (Section 3081) to develop and implement an ongoing, comprehensive, statewide stormwater financial assistance program. Ecology began working with stakeholders to develop a stormwater funding program that is incorporated into Ecology's Water Quality Combined Financial Assistance Program. Funding for this program in the 2019-21 Biennium will continue to support constructing stormwater retrofit projects and implementing associated activities with high water quality and ecologic benefit.

The SFAP will provide grant funding for stormwater projects through a 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 the program through the 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. Projects and activities that may be eligible for funding include planning and installing capital projects. Example of projects include:

- 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 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 Geographic Information System (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.

Ecology requests \$60 million for stormwater project implementation grants in the 2019-21 Biennium. The SFAP is now integrated into its nationally recognized annual combined funding program to distribute stormwater funds through a statewide competitive rating and ranking process. The final, ranked list will be available in late January 2019 and will provide information on high-priority statewide stormwater improvement projects.

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

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Project Title: 2019-21 Stormwater Financial Assistance Program

Description

environmental regulations. In new and redeveloped areas, developers shoulder most of the cost of treating stormwater. But 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.

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 five 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 also provide economic benefits to the state by creating up to 199 jobs during the next three 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 in mitigating 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 impacts shellfish habitat, fisheries, 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 through the Stormwater Funding Program Stakeholder work group and 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 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.

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Description

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 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 (taxed at 7/10 of one percent of the value of the product). Petroleum makes up about 90 percent of the revenue collected with the HST. According to the Office of Financial Management, the HST is Washington's most volatile tax (*Table 2: Average Annual Percentage of Change of Washington Major Tax Sources* (p.8), Office of Financial Management, *Washington State Model Toxics Control Act Accounts*; November 2016.)

The price of crude oil began dropping after the summer of 2014, which resulted in a correlated and significant decrease in HST revenue. Prior to the downward plunge in oil prices, MTCA revenue collections were around \$200 million a year from 2012 through 2014. Collections dropped to \$113 million in 2016, and \$124 million in 2017. MTCA fund balances have not been able to support the demand for SFAP over the last two biennia, and even with the \$60 million in bond backfill funding provided in 2017-19, there will still be a funding gap next biennium.

MTCA funding is now used in operating and capital budgets at 11 state agencies, and its use has greatly expanded over time. While HST revenue collections are projected to be \$159 million a year in 2019-21, with the operating budget carryforward and capital reappropriation demands next biennium, projected MTCA fund balances are insufficient to meet new capital needs. Ecology requests funding from the State Building Construction Account to help bridge the gap until MTCA capacity returns.

In addition to the MTCA revenue shortfalls, the pressure on operating funds during the Great Recession resulted in multiple fund shifts. Enacted budgets permanently shifted \$75 million of General Fund-State (GF-State) work in state agencies' operating budgets to MTCA accounts. Although these fund shifts preserved some core environmental work, they also further eroded MTCA funding capacity for toxics work.

Ecology has a separate operating request to restore \$64 million GF-State that was shifted to MTCA accounts in Ecology's budget. Shifting the funding back to GF-State will free up MTCA dollars for additional capital investments.

Funding for this request includes \$15,000 to maintain and update the grant applications in the agency systems.

Are FTEs required to support this project?

Ecology requires a total of 18.69 FTEs to support ongoing management of 246 active grants from prior biennia SFAP funding and an estimated 60-70 new SFAP grants in 2019-21. 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.

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Description

- 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 project is essential to implementing Ecology's strategic plan because constructing stormwater retrofit projects addresses all of Ecology priorities:

- 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.
- Prevent and Reduce Toxic Threats and Protect and Restore Puget Sound by providing financial assistance to fund stormwater capital improvement projects so that contaminated stormwater runoff from impervious surfaces is reduced from entering Washington waters.
- Deliver Integrated Water Solutions 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.
- 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 the Governor's Results Washington Goal 3: Sustainable Energy and a Clean Environment by funding local government 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 is essential to support the Governor's priority to promote policies and opportunities to grow jobs and prepare Washington for a vibrant, thriving economy. Providing funding to assist local governments in constructing projects to protect water quality 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. This project also supports the clean energy economy through encouraging and finding energy efficiencies and sustainable practices in stormwater and green infrastructure construction.

This request supports the Governor's Executive Order 18-02: Southern Resident Killer Whale Recovery and Task force by funding projects that reduce toxic pollutant migration to Puget Sound to reduce orca's exposure to toxics.

This request supports Puget Sound Action Agenda implementation through Near Term Actions 2018-0444, 2018-0445, 2018-0448, 2018-0450, 2018-0473, 2018-0655, 2018-0887, and 2018-0943. This request supports sub-strategy 10.3, fix

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Project Title: 2019-21 Stormwater Financial Assistance Program

Description

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 Vital Sign Regional Priorities:

- BIBI1.1 Increase local capacity to manage stormwater programs.
- BIBI3.1-Facilitate the increased use or performance of best management practices in working/rural lands.
- CHIN2.5-Establish and enforce water quantity and quality standards that protect, conserve, and restore water resources for salmon. CHIN 2.5: Establish and enforce water quantity and quality standards that protect, conserve, and restore water resources for salmon.
- CHIN2.6 Incentivize and accelerate stormwater management for new and existing development.
- LDC3.3-Implement integrated strategies and policies to protect and restore ecologically important lands.

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.

What is the impact on the state operating budget?

None.

Proviso

N/A

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	300,000,000				60,000,000

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 Capital Project Request

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 9:38AM

Project Number: 40000144

Project Title: 2019-21 Stormwater Financial Assistance Program

Funding						
	Total	300,000,000	0	0	0	60,000,000

		Future Fiscal Periods			
		2021-23	2023-25	2025-27	2027-29
057-1	State Bldg Constr-State	<u>60,000,000</u>	<u>60,000,000</u>	<u>60,000,000</u>	<u>60,000,000</u>
	Total	60,000,000	60,000,000	60,000,000	60,000,000

Operating Impacts

No Operating Impact

Capital Project Request

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:04AM

Project Number: 40000152

Project Title: 2019-21 Columbia River Water Supply Development Program

Description

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 million in new appropriation 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 2019-21 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**What is the proposed project?****Legislative Authorization Summary**

The 2006 Legislature authorized \$200 million in bonds to implement the Columbia River Basin Water Supply Development Program (Program) that expands available water supply in the Basin; provides replacement supplies for some existing uses; and improves stream flow conditions within the Columbia and Snake Rivers. This request will continue to build on projects currently being implemented and new projects Ecology is managing through the Office of Columbia River (OCR). These projects include pursuing water supplies to benefit both instream and out-of-stream uses through storage, conservation, and voluntary regional water management agreements. RCW 90.90.010 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 2017–19 Biennium

To date, Ecology has had a variety of successes in leveraging the original \$200 million bond authority. During the 2017-19 Biennium, OCR continued to implement the following significant water supply projects:

1. Odessa Groundwater Replacement (OGWRP) – Ecology continues to partner with the U.S. Bureau of Reclamation and East Columbia Basin Irrigation District on completing the necessary East Low Canal infrastructure. This will increase the carrying capacity in the canal to bring much needed Columbia Basin Project (CBP) surface water to relieve 87,700 irrigated acres reliant on declining wells in the Odessa Aquifer. Over the past two years, Ecology has prepped, dewatered, and constructed the Warden Siphon Barrel; nearly finished 46 miles of canal widening earthwork; and installed the O&M road, which parallels the widened canal sections. Also, construction of the first landowner-financed pumping plant delivery system (at East Low canal mile 47.5) began in November 2016. The goal of the system is to deliver up to 10,500 acres of replacement water for the 2019 or 2020 irrigation season. This OGWRP project is ongoing and includes two additional siphon barrels, multiple radial gates, a water check structure, and ten county road bridges to finish the East Low Canal improvements. Ecology is providing \$10 million in 2017-19 capital funds and requesting another \$13 million in 2019-21 capital funds to invest in the work described. The U.S. Bureau of Reclamation will provide pumping plant design dollars, and landowners will finance the pumping plant delivery systems.
2. Aquifer Storage and Recovery (ASR) – With a statutory mandate to develop water supplies to meet existing demand and future water needs, OCR continues investing in ASR projects throughout the Columbia Basin. Ecology heard from current ASR end users that streamlining the permitting process for ASR may help reduce the risk and, therefore, the cost of implementing

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Description

ASR projects in the future. Ecology sees value in investing in underground storage, whether it is exploration, feasibility, permitting, or policy. This is because ASR is significantly less expensive than surface water storage, takes less time to implement, and has a smaller environmental footprint. It is a high priority for Ecology to find suitable areas for new ASR locations and help solve long-term water needs for Eastern Washington municipalities, and we are requesting up to \$4.3 million for ASR projects in 2019-21.

3. Icicle Creek Water Resource Management Strategy – OCR and Chelan County co-convened a workgroup in December 2012 of interested stakeholders with the intent of finding collaborative (non-litigious) solutions to resolve chronic water supply issues facing the Icicle Creek watershed. The Icicle Workgroup developed guiding principles, goals, and ultimately the Icicle Creek Water Resource Management Strategy (Icicle Strategy). The Icicle Strategy is a comprehensive plan that contemplates climate change and is designed to balance instream and out-of-stream needs and resolve habitat and fisheries issues in the watershed now and into the future. The goal of the Icicle Strategy is to reach 100 cfs (cubic feet per second) in Icicle Creek during average water years and 60 cfs of supply during dry water years (Icicle Creek reached 16.4 cfs during the 2015 drought). This will be done by implementing a suite of water supply, infrastructure/efficiency improvements, and habitat projects. Ecology and Chelan County are co-leading the environmental review of the Icicle Strategy, launched State Environmental Policy Act (SEPA) scoping on a programmatic environmental impact statement (PEIS) in February of 2016 and issued a draft PEIS in May of 2018. Right now, Ecology and Chelan County are developing a comment response document and are hoping to issue a final PEIS on the Icicle Strategy by December 2018. Ecology is requesting \$4 million in 2019-21 for early action project implementation.

During the 2017-19 Biennium, OCR implemented multiple projects that resulted in an additional 15,000 acre-feet of water being developed for municipal, industrial, and/or agricultural purposes. Specifically, flow management and efficiency projects increased the total water developed by OCR from roughly 375,815 acre-feet at the end of the 2013-15 Biennium to approximately 410,000 acre-feet during the 2017-2019 Biennium.

The investments made during 2017-19 and prior biennia in Columbia River projects is expected to leverage well over \$50 million in funds from federal and local governments. Projects range from small, short-term, one- to-two-year projects to long-term, large water supply projects that take more than ten years to complete. Ecology is able to fund some projects in full, using only money from state appropriations for this work. Other projects need a broad group of stakeholders coming together to create a complete funding package. Ecology will continue using the combination of tools available. This includes cost recovery, revenue generation, leveraging to secure outside funding, and working with stakeholders and state, local, and federal partner agencies to develop project-specific funding packages.

2019-21 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 2019-21 Biennium projects) for agriculture, municipalities, hydroelectric power, and instream flows are evaluated in this forecast.

Projects expected to be implemented or continued during the 2019-21 Biennium include:

- Odessa Groundwater Replacement Program.
- Icicle Creek Integrated Planning.
- Coordinated Conservation Plans.
- Various surface water storage and aquifer storage and recovery projects.
- Continued water leases from Walla Walla and Lake Roosevelt.
- Pursuit of water right acquisitions.
- 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

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Project Title: 2019-21 Columbia River Water Supply Development Program

Description

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.

In associated 2019 agency-request legislation, Ecology is requesting reauthorization of the original dedicated bond authority for \$300 million to continue implementing Columbia River Basin water supply improvements and infrastructure. The purpose of the new \$300 million will be the same as the original \$200 million authorized by Chapter 90.90 RCW. Ecology expects to pass through \$18.9 million for future biennia projects by recovering costs of some projects through water service contracts with applicants that receive the new water. These contracts will allow Ecology to recover all or part of the development cost of the project. Costs that will be recovered include Ecology's costs to study, construct, operate, and maintain a project. Ecology will also be able to recapture hydropower revenue generated by the water supply developed through water contracts.

What opportunity or problem is driving this request?

Before Chapter 90.90 RCW was enacted in 2006, it was very difficult to provide permanent new water rights in much of the Columbia River Basin. Water managers, business leaders, agricultural interests, environmental and tribal leaders, and others were struggling to find a new way to deal with Eastern Washington's critical water issues.

The problems they faced were immense - aquifers in the Odessa Subarea were rapidly declining, endangering the region's most valuable crop, potatoes. Low stream flows threatened salmon and steelhead. Interruptible water 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 four 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 410,000 acre-feet of water 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.

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This request will also provide economic benefits to the state by creating up to 107 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 2019-21 Biennium, new water for instream and out-of-stream uses – including municipal, agricultural, tribal communities, and fish and wildlife – would not be available. Feasibility studies, other contract work currently in process, and new water 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/sites/default/files/public/legacy/economy/io/2002/io1.pdf>).

Why is this the best option or alternative?

This request for new appropriations will allow Columbia River Basin water projects to continue in the 2019-21 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 2019-21 Biennium. Additional projects have been approved for funding and are in negotiation right now. Ecology will use 2019-21 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

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Description

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, so Ecology is requesting appropriation from the State Building Construction Account (SBCA) and State Taxable Building Construction Account (STBCA).

Ecology is putting forward 2019 agency-request legislation to reauthorize the original dedicated bond authority for an additional \$300 million to continue implementing Columbia River Basin water supply improvements and infrastructure. If agency request legislation is successful, Ecology requests the funding for this project be switched from SBCA and SBTCA to the dedicated OCR bond accounts— Columbia River Basin Bond Water Supply Development Account, and Columbia River Basin Taxable Bond Water Supply Development Account.

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 1.0 FTE above staffing levels in the 2017-19 Biennium. OCR requires additional project management support due to the increase in the number of active projects being implemented. The additional staff will provide project and financial oversight of contracts and grants to ensure compliance with state law.

How does the project support the agency and statewide results?

This request is essential to implementing Ecology's strategic priority to Develop Integrated Water Solutions 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.

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 United States 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

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Description

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.

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.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	147,100,000				27,100,000
296-1	Col River Bas Wtr Su-State	10,400,000				2,400,000
355-1	St. Bld Const Acct-State	62,500,000				10,500,000
Total		220,000,000	0	0	0	40,000,000

		Future Fiscal Periods			
		2021-23	2023-25	2025-27	2027-29
057-1	State Bldg Constr-State	30,000,000	30,000,000	30,000,000	30,000,000
296-1	Col River Bas Wtr Su-State	2,000,000	2,000,000	2,000,000	2,000,000
355-1	St. Bld Const Acct-State	13,000,000	13,000,000	13,000,000	13,000,000
Total		45,000,000	45,000,000	45,000,000	45,000,000

Operating Impacts

No Operating Impact

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Project Number: 40000152

Project Title: 2019-21 Columbia River Water Supply Development Program

Operating Impacts

SubProjects

SubProject Number: 40000153

SubProject Title: Odessa - Odessa Groundwater Replacement Program

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 million in new appropriation 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 2019-21 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

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.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
355-1	St. Bld Const Acct-State	10,000,000				10,000,000
Total		10,000,000	0	0	0	10,000,000

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Project Number: 40000152

Project Title: 2019-21 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000153

SubProject Title: Odessa - Odessa Groundwater Replacement Program

	Future Fiscal Periods			
	2021-23	2023-25	2025-27	2027-29
355-1 St. Bld Const Acct-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000154

SubProject Title: Odessa - Mitigation

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 million in new appropriation 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 2019-21 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

Mitigation-related projects to facilitate replacing groundwater withdrawals with a surface water source will ease the burden on the aquifers.

Proviso

N/A

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Grants

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Project Title: 2019-21 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000154

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.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
355-1	St. Bld Const Acct-State	500,000				500,000
	Total	500,000	0	0	0	500,000
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
355-1	St. Bld Const Acct-State	0	0	0	0	
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

SubProject Number: 40000155

SubProject Title: Odessa - Bridges

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Project Number: 40000152

Project Title: 2019-21 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000155

SubProject Title: Odessa - Bridges

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 million in new appropriation 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 2019-21 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. (State Building Construction Account, State Taxable 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.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	3,000,000				3,000,000
	Total	3,000,000	0	0	0	3,000,000

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Project Number: 40000152

Project Title: 2019-21 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000155

SubProject Title: Odessa - Bridges

	Future Fiscal Periods			
	2021-23	2023-25	2025-27	2027-29
057-1 State Bldg Constr-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000156

SubProject Title: Department of Ecology Staffing

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 million in new appropriation 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 2019-21 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. (State Building Construction Account, State Taxable 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

461 - Department of Ecology
 Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:04AM

Project Number: 40000152

Project Title: 2019-21 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000156

SubProject Title: Department of Ecology 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.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	1,800,000				1,800,000
	Total	1,800,000	0	0	0	1,800,000
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State	0	0	0	0	
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

SubProject Number: 40000157

SubProject Title: Department of Fish and Wildlife Support

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:04AM

Project Number: 40000152

Project Title: 2019-21 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000157

SubProject Title: Department of Fish and Wildlife Support

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 million in new appropriation 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 2019-21 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. (State Building Construction Account, State Taxable 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.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Expenditures			2019-21 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	1,800,000				1,800,000
	Total	1,800,000	0	0	0	1,800,000

Future Fiscal Periods

Acct Code	Account Title	2021-23	2023-25	2025-27	2027-29
		057-1	State Bldg Constr-State	0	0
	Total	0	0	0	0

Capital Project Request

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:04AM

Project Number: 40000152

Project Title: 2019-21 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000157

SubProject Title: Department of Fish and Wildlife Support

Operating Impacts

No Operating Impact

SubProject Number: 40000158

SubProject Title: Lake Roosevelt Tribal Agreements

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 million in new appropriation 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 2019-21 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. (State Building Construction Account, State Taxable Building Construction Account, Columbia River Basin Water Supply Revenue Recovery Account)

Project Description

The impoundment of Lake Roosevelt has significant and long-term impacts on culture, resources and the economies of the Colville Confederated Tribe and the Spokane Tribe. Existing Lake Roosevelt agreements are subject to changes in 2018 that may require additional one-time payments.

Proviso

N/A

Location

City: Coulee Dam

County: Okanogan

Legislative District: 012

Project Type

Grants

Capital Project Request

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Report Number: CBS002

Date Run: 9/10/2018 10:04AM

Project Number: 40000152

Project Title: 2019-21 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000158

SubProject Title: Lake Roosevelt Tribal Agreements

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	2,000,000				2,000,000
	Total	2,000,000	0	0	0	2,000,000
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State	0	0	0	0	
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

SubProject Number: 40000159

SubProject Title: Coordinated Conservation Columbia Basin Irrigation Districts

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:04AM

Project Number: 40000152

Project Title: 2019-21 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000159

SubProject Title: Coordinated Conservation Columbia Basin Irrigation Districts

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 million in new appropriation 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 2019-21 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. (State Building Construction Account, State Taxable Building Construction Account, Columbia River Basin Water Supply Revenue Recovery Account)

Project Description

The three Irrigation Districts and OCR jointly agreed to prepare a Coordinated Water Conservation Plan (Plan). The Plan identifies water conservation projects that allow additional acreage to be served without impacting the Columbia River or disrupting the water supply to existing acreage.

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.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	2,400,000				2,400,000
	Total	2,400,000	0	0	0	2,400,000

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Report Number: CBS002

Date Run: 9/10/2018 10:04AM

Project Number: 40000152

Project Title: 2019-21 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000159

SubProject Title: Coordinated Conservation Columbia Basin Irrigation Districts

	Future Fiscal Periods			
	2021-23	2023-25	2025-27	2027-29
057-1 State Bldg Constr-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000160

SubProject Title: Icicle Creek Integrated Planning

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 million in new appropriation 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 2019-21 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. (State Building Construction Account, State Taxable Building Construction Account, Columbia River Basin Water Supply Revenue Recovery Account)

Project Description

Instream and out-of-stream uses of Icicle Creek supply include fish propagation demand, protection of instream resources, municipal and other domestic demand and irrigation. In some years (such as 2001, 2005, and 2015), existing needs exceed available supply. Once a preferred alternative is identified in the Programmatic Environmental Impact Statement process (fall 2018) for the Icicle Creek Water Resource Management Strategy, 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: Leavenworth

County: Chelan

Legislative District: 012

Project Type

Grants

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:04AM

Project Number: 40000152

Project Title: 2019-21 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000160

SubProject Title: Icicle Creek Integrated Planning

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
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						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

SubProject Number: 40000161

SubProject Title: Walla Walla Flow Enhancement Study / EIS

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:04AM

Project Number: 40000152

Project Title: 2019-21 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000161

SubProject Title: Walla Walla Flow Enhancement Study / EIS

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 million in new appropriation 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 2019-21 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. (State Building Construction Account, State Taxable 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.

Proviso

N/A

Location

City: Walla Walla

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.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	1,500,000				1,500,000
	Total	1,500,000	0	0	0	1,500,000

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:04AM

Project Number: 40000152

Project Title: 2019-21 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000161

SubProject Title: Walla Walla Flow Enhancement Study / EIS

	Future Fiscal Periods			
	2021-23	2023-25	2025-27	2027-29
057-1 State Bldg Constr-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000162

SubProject Title: Walla Walla Lease

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 million in new appropriation 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 2019-21 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. (State Building Construction Account, State Taxable 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 the existing lease agreement that runs through 2020.

Proviso

N/A

Location

City: Unincorporated

County: Walla Walla

Legislative District: 016

Project Type

Grants

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:04AM

Project Number: 40000152

Project Title: 2019-21 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000162

SubProject Title: Walla Walla Lease

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
296-1	Col River Bas Wtr Su-State	1,000,000				1,000,000
	Total	1,000,000	0	0	0	1,000,000
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
296-1	Col River Bas Wtr Su-State	0	0	0	0	
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

SubProject Number: 40000163

SubProject Title: Franklin D. Roosevelt Lease

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:04AM

Project Number: 40000152

Project Title: 2019-21 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000163

SubProject Title: Franklin D. Roosevelt Lease

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 million in new appropriation 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 2019-21 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. (State Building Construction Account, State Taxable 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

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
296-1	Col River Bas Wtr Su-State	1,000,000				1,000,000
	Total	1,000,000	0	0	0	1,000,000

Capital Project Request

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Project Number: 40000152

Project Title: 2019-21 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000163

SubProject Title: Franklin D. Roosevelt Lease

	Future Fiscal Periods			
	2021-23	2023-25	2025-27	2027-29
296-1 Col River Bas Wtr Su-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000164

SubProject Title: Rilette

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 million in new appropriation 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 2019-21 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. (State Building Construction Account, State Taxable Building Construction Account, Columbia River Basin Water Supply Revenue Recovery Account)

Project Description

Move from feasibility to environmental review following site analysis on publicly-owned lands in northern Douglas County to locate potential aquifer storage and recovery (ASR) opportunities. ASR projects store water in underground aquifers until it is needed.

Proviso

N/A

Location

City: Unincorporated

County: Pend Oreille

Legislative District: 007

Project Type

Grants

Capital Project Request

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:04AM

Project Number: 40000152

Project Title: 2019-21 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000164

SubProject Title: Rilette

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	800,000				800,000
	Total	800,000	0	0	0	800,000
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State	0	0	0	0	
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

SubProject Number: 40000165

SubProject Title: Pasco Basin Groundwater Supply (508-14 WAC)

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:04AM

Project Number: 40000152

Project Title: 2019-21 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000165

SubProject Title: Pasco Basin Groundwater Supply (508-14 WAC)

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 million in new appropriation 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 2019-21 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. (State Building Construction Account, State Taxable 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

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
296-1	Col River Bas Wtr Su-State	400,000				400,000
	Total	400,000	0	0	0	400,000

Capital Project Request

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:04AM

Project Number: 40000152

Project Title: 2019-21 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000165

SubProject Title: Pasco Basin Groundwater Supply (508-14 WAC)

	Future Fiscal Periods			
	2021-23	2023-25	2025-27	2027-29
296-1 Col River Bas Wtr Su-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000166

SubProject Title: Columbia River Basin Policy Advisory Group (CRPAG) & WSAC

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 million in new appropriation 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 2019-21 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. (State Building Construction Account, State Taxable 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

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 Capital Project Request

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:04AM

Project Number: 40000152

Project Title: 2019-21 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000166

SubProject Title: Columbia River Basin Policy Advisory Group (CRPAG) & WSAC

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	500,000				500,000
	Total	500,000	0	0	0	500,000
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State	0	0	0	0	
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

SubProject Number: 40000167

SubProject Title: HHH Switzler Storage - EIS Completion

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:04AM

Project Number: 40000152

Project Title: 2019-21 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000167

SubProject Title: HHH Switzler Storage - EIS Completion

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 million in new appropriation 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 2019-21 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. (State Building Construction Account, State Taxable 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: Prosser

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.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Expenditures			2019-21 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	100,000				100,000
	Total	100,000	0	0	0	100,000
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State	0	0	0	0	
	Total	0	0	0	0	

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:04AM

Project Number: 40000152

Project Title: 2019-21 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000167

SubProject Title: HHH Switzler Storage - EIS Completion

Operating Impacts

No Operating Impact

SubProject Number: 40000168

SubProject Title: Othello Aquifer Storage & Recharge (ASR)

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 million in new appropriation 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 2019-21 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. (State Building Construction Account, State Taxable Building Construction Account, Columbia River Basin Water Supply Revenue Recovery Account)

Project Description

Pilot test potential aquifer storage and recovery (ASR) opportunities in the Columbia Basin. ASR projects store water in underground aquifers until it is needed.

Proviso

N/A

Location

City: Othello

County: Adams

Legislative District: 009

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

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:04AM

Project Number: 40000152

Project Title: 2019-21 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000168

SubProject Title: Othello Aquifer Storage & Recharge (ASR)

Funding

Acct Code	Account Title	Expenditures			2019-21 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	500,000				500,000
	Total	500,000	0	0	0	500,000

Future Fiscal Periods

	2021-23	2023-25	2025-27	2027-29
057-1 State Bldg Constr-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000169

SubProject Title: Potholes Feederoute

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 million in new appropriation 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 2019-21 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

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

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 Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:04AM

Project Number: 40000152

Project Title: 2019-21 Columbia River Water Supply Development Program

SubProjects

Project Type

SubProject Number: 40000169

SubProject Title: Potholes Feedroute

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	1,100,000				1,100,000
	Total	1,100,000	0	0	0	1,100,000
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State	0	0	0	0	
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

SubProject Number: 40000170

SubProject Title: New Water Supply projects/studies/lease payments

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:04AM

Project Number: 40000152

Project Title: 2019-21 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000170

SubProject Title: New Water Supply projects/studies/lease payments

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 million in new appropriation 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 2019-21 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. (State Building Construction Account, State Taxable 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

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	Expenditures			2019-21 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	1,000,000				1,000,000
	Total	1,000,000	0	0	0	1,000,000
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State	0	0	0	0	
	Total	0	0	0	0	

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:04AM

Project Number: 40000152

Project Title: 2019-21 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000170

SubProject Title: New Water Supply projects/studies/lease payments

Operating Impacts

No Operating Impact

SubProject Number: 40000171

SubProject Title: Water Acquisitions

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 million in new appropriation 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 2019-21 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. (State Building Construction Account, State Taxable 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.

Growth Management impacts

N/A

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:04AM

Project Number: 40000152

Project Title: 2019-21 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000171

SubProject Title: Water Acquisitions

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	1,000,000				1,000,000
	Total	1,000,000	0	0	0	1,000,000

Future Fiscal Periods

	Future Fiscal Periods			
	2021-23	2023-25	2025-27	2027-29
057-1 State Bldg Constr-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000172

SubProject Title: Colville Storage Study

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 million in new appropriation 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 2019-21 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

Develop an Appraisal Report from pre-scoping investigations of the Goose Lake and Nine-mile Flat pumped storage sites to determine if one or more of them should be approved for investigation at the feasibility level of detail.

Proviso

N/A

Location

City: Statewide

County: Statewide

Legislative District: 098

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 Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:04AM

Project Number: 40000152

Project Title: 2019-21 Columbia River Water Supply Development Program

SubProjects

Project Type

SubProject Number: 40000172

SubProject Title: Colville Storage Study

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropr	New Approps
057-1	State Bldg Constr-State	300,000				300,000
	Total	300,000	0	0	0	300,000
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State	0	0	0	0	
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

SubProject Number: 40000173

SubProject Title: 2021 Supply and Demand Forecast

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:04AM

Project Number: 40000152

Project Title: 2019-21 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000173

SubProject Title: 2021 Supply and Demand Forecast

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 million in new appropriation 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 2019-21 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. (State Building Construction Account, State Taxable 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

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	1,800,000				1,800,000
	Total	1,800,000	0	0	0	1,800,000

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:04AM

Project Number: 40000152

Project Title: 2019-21 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000173

SubProject Title: 2021 Supply and Demand Forecast

	Future Fiscal Periods			
	2021-23	2023-25	2025-27	2027-29
057-1 State Bldg Constr-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000174

SubProject Title: Quad Cities (City of West Richland / Pasco) - ASR

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 million in new appropriation 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 2019-21 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. (State Building Construction Account, State Taxable 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 it is needed.

Proviso

N/A

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Grants

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:04AM

Project Number: 40000152

Project Title: 2019-21 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000174

SubProject Title: Quad Cities (City of West Richland / Pasco) - ASR

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		2019-21 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
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

SubProject Number: 40000175

SubProject Title: WRIA 30 Pump Storage Facility

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:04AM

Project Number: 40000152

Project Title: 2019-21 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000175

SubProject Title: WRIA 30 Pump Storage Facility

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 million in new appropriation 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 2019-21 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. (State Building Construction Account, State Taxable Building Construction Account, Columbia River Basin Water Supply Revenue Recovery Account)

Project Description

Governor Inslee supports pumped storage hydropower project valuation to provide renewable energy technology development.

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.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Expenditures			2019-21 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	500,000				500,000
	Total	500,000	0	0	0	500,000
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State	0	0	0	0	
	Total	0	0	0	0	

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:04AM

Project Number: 40000152

Project Title: 2019-21 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000175

SubProject Title: WRIA 30 Pump Storage Facility

Operating Impacts

No Operating Impact

SubProject Number: 40000176

SubProject Title: City of Quincy - ASR

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 million in new appropriation 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 2019-21 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. (State Building Construction Account, State Taxable 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 it is 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.

Growth Management impacts

N/A

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:04AM

Project Number: 40000152

Project Title: 2019-21 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000176

SubProject Title: City of Quincy - ASR

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	2,000,000				2,000,000
	Total	2,000,000	0	0	0	2,000,000

Future Fiscal Periods

	Future Fiscal Periods			
	2021-23	2023-25	2025-27	2027-29
057-1 State Bldg Constr-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000182

SubProject Title: 2019-21 Columbia River Water Supply Development Program Ten-Year

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 7

Project Summary

Ecology is requesting \$40 million in new appropriation 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 2019-21 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

Ten-Year Financial Plan

Proviso

N/A

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:04AM

Project Number: 40000152

Project Title: 2019-21 Columbia River Water Supply Development Program

SubProjects

Project Type

SubProject Number: 40000182

SubProject Title: 2019-21 Columbia River Water Supply Development Program Ten-Year

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

<u>Funding</u>		<u>Estimated Total</u>	<u>Expenditures</u>		<u>2019-21 Fiscal Period</u>	
<u>Acct Code</u>	<u>Account Title</u>		<u>Prior Biennium</u>	<u>Current Biennium</u>	<u>Reappropriations</u>	<u>New Appropriations</u>
057-1	State Bldg Constr-State	120,000,000				
	Total	120,000,000	0	0	0	0

<u>Funding</u>		<u>Estimated Total</u>	<u>Expenditures</u>		<u>2019-21 Fiscal Period</u>	
<u>Acct Code</u>	<u>Account Title</u>		<u>Prior Biennium</u>	<u>Current Biennium</u>	<u>Reappropriations</u>	<u>New Appropriations</u>
296-1	Col River Bas Wtr Su-State	8,000,000				
	Total	8,000,000	0	0	0	0

<u>Funding</u>		<u>Estimated Total</u>	<u>Expenditures</u>		<u>2019-21 Fiscal Period</u>	
<u>Acct Code</u>	<u>Account Title</u>		<u>Prior Biennium</u>	<u>Current Biennium</u>	<u>Reappropriations</u>	<u>New Appropriations</u>
355-1	St. Bld Const Acct-State	52,000,000				
	Total	52,000,000	0	0	0	0

		<u>Future Fiscal Periods</u>			
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>
057-1	State Bldg Constr-State	30,000,000	30,000,000	30,000,000	30,000,000
	Total	30,000,000	30,000,000	30,000,000	30,000,000

		<u>Future Fiscal Periods</u>			
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>
296-1	Col River Bas Wtr Su-State	2,000,000	2,000,000	2,000,000	2,000,000
	Total	2,000,000	2,000,000	2,000,000	2,000,000

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:04AM

Project Number: 40000152

Project Title: 2019-21 Columbia River Water Supply Development Program

SubProjects

SubProject Number: 40000182

SubProject Title: 2019-21 Columbia River Water Supply Development Program Ten-Year

		Future Fiscal Periods			
		2021-23	2023-25	2025-27	2027-29
355-1	St. Bld Const Acct-State	<u>13,000,000</u>	<u>13,000,000</u>	<u>13,000,000</u>	<u>13,000,000</u>
	Total	13,000,000	13,000,000	13,000,000	13,000,000

Operating Impacts

No Operating Impact

Ecology 2019-21 Biennium Budget Project List
Office of Columbia River (OCR)
Water Supply Projects
July 2018

Purpose: The \$200 million 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. Ecology is also submitting Agency Request Legislation to request reauthorization of dedicated bonds in the amount of \$300 million. If the bond reauthorization is enacted, funds 057 and 355 would be replaced by funds 10P and 18B.

Project Ranking: The ranking groups projects into three tiers from highest priority to lowest priority as follows: (1) Odessa, which has already received significant investment and will prevent catastrophic loss of domestic, municipal and agricultural water supplies. Staffing for both Ecology and WDFW is required in order to move all existing and proposed projects forward; (2) all other existing projects that are currently being implemented; and, (3) all other new projects that have not been implemented. Please note that the ranking provided has not been fully vetted with CRPAG partners.

Rank	Project ID	Recipient	Cost	Fund	Project Description	Site Address	City	County	Leg. District	Lat.	Long.
1	Odessa - Odessa Groundwater Replacement Program	East Columbia Irrigation District	10,000,000	355	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.	Various	TBD	TBD	9,13	Multiple	Multiple Project Locations
1	Odessa - Mitigation	TBD	500,000	355	Mitigation-related projects to facilitate replacing groundwater withdrawals with a surface water source will ease the burden on the aquifers.	Various	TBD	TBD	9,13	Multiple	Multiple Project Locations
1	Odessa - Bridges	TBD	3,000,000	057	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.	Various	TBD	Grant, Adams	9,13	Multiple	Multiple Project Locations
1	Department of Ecology Staffing	Dept. of Ecology	1,800,000	057	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.	Various	Various	Various	N/A	No Geographical Location	
1	Department of Fish and Wildlife Support	Dept. of Fish and Wildlife	1,800,000	057	Agency costs for species, fish, wildlife and habitat technical assistance related to implementing capital projects.	Various	Various	Various	N/A	No Geographical Location	
1	Lake Roosevelt Tribal Agreements	Colville Confederated Tribe and Spokane Tribe	2,000,000	057	The impoundment of Lake Roosevelt has significant and long-term impacts on culture, resources and the economies of the Colville Confederated Tribe and the Spokane Tribe. Existing Lake Roosevelt agreements are subject to changes in 2018 that may require additional one-time payments.	Grand Coulee Dam	Grand Coulee	Okanogan	12	47.957	-118.981
2	Coordinated Conservation Columbia Basin Irrigation Districts	Various	2,400,000	057	The three Irrigation Districts and OCR jointly agreed to prepare a Coordinated Water Conservation Plan (Plan). The Plan identifies water conservation projects that allow additional acreage to be served without impacting the Columbia River or disrupting the water supply to existing acreage.	Various	TBD	TBD	8,9	Multiple	Multiple Project Locations
2	Icicle Creek Integrated Planning	Chelan County	4,000,000	057	Instream and out-of-stream uses of Icicle Creek supply include fish propagation demand, protection of instream resources, municipal and other domestic demand and irrigation. In some years (such as 2001, 2005, and 2015), existing needs exceed available supply. Once a preferred alternative is identified in the Programmatic Environmental Impact Statement process (fall 2018) for the Icicle Creek Water Resource Management Strategy, projects to achieve the strategy goals will undergo evaluation for readiness to proceed, environmental review, design, feasibility and/or ultimately construction.	Fish Hatchery Road	Leavenworth	Chelan	12	47.558	-120.674
2	Walla Walla Flow Enhancement Study / EIS	Various (Watershed Council, Port, County, etc.)	1,500,000	057	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.	405 West Main Street	Walla Walla	Walla Walla	16	46.064	-118.345
2	Walla Walla Lease	Port of Walla Walla	1,000,000	296	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 the existing lease agreement that runs through 2020.	N/A	Touchet	Walla Walla	16	46.120	-118.899
2	Franklin D. Roosevelt Lease	United States Bureau of Reclamation (USBR)	1,000,000	296	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.	Grand Coulee Dam	Grand Coulee	Okanogan	12	47.957	-118.981
2	Rilette	RFP	800,000	057	Move from feasibility to environmental review following site analysis on publicly-owned lands in northern Douglas County to locate potential aquifer storage and recovery (ASR) opportunities. ASR projects store water in underground aquifers until it is needed.	Various	N/A	Douglas	12	48.436	-117.317
2	Pasco Basin Groundwater Supply (508-14 WAC)	Ecology and Stakeholders	400,000	296	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.	Various	Various	Grant, Adams, Franklin	9,16	Multiple	Multiple Project Locations
2	Columbia River Basin Policy Advisory Group (CRPAG) & Washington State Association Counties (WSAC) Facilitation & Legislative Reports	TBD	500,000	057	Agency costs for stakeholder facilitation and consultant legislative report management and technical assistance related to implementing capital projects.	N/A	N/A	N/A	Multiple	No Geographical Location	
2	HHH Switzer Storage - EIS Completion	TBD	100,000	057	Completion of an Environmental Impact Statement related to storage project.	N/A	Plymouth	Benton	16	45.962	-119.110
2	Othello Aquifer Storage & Recharge (ASR)	TBD	500,000	057	Pilot test potential aquifer storage and recovery (ASR) opportunities in the Columbia Basin. ASR projects store water in underground aquifers until it is needed.	N/A	Othello	Adams	9	46.826	-119.175
2	Potholes Feederoute	TBD	1,100,000	057	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.	TBD	TBD	Grant	13	Multiple	Multiple Projects

Rank	Project ID	Recipient	Cost	Fund	Project Description	Site Address	City	County	Leg. District	Lat.	Long.
3	New Water Supply projects/studies/lease payments	Various	1,000,000	057	Projects that support instream and out-of-stream demands and meet RCW 90.30 mandates.	Various	TBD	TBD	7,8,9,12,13,14,15,16	Multiple	Multiple Projects
3	Water Acquisitions	Various	1,000,000	057	Water right acquisitions that support instream and out-of-stream demands.	Various	TBD	TBD	Various	Multiple	Multiple Project Locations
3	Colville Storage Study	TBD	300,000	057	Develop an Appraisal Report from pre-scoping investigations of the Goose Lake and Nine-mile Flat pumped storage sites to determine if one or more of them should be approved for investigation at the feasibility level of detail.	TBD	TBD	TBD	7,12,13	Multiple	Multiple Projects
3	2021 Supply and Demand Forecast	WSU	1,800,000	057	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.	N/A	N/A	N/A	Multiple	No Geographical Location	
3	Quad Cities (City of West Richland / Pasco) - ASR Facility	TBD	1,000,000	057	Drill and test sites to locate potential aquifer storage and recovery (ASR) opportunities. ASR projects store water in underground aquifers until it is needed.	TBD	TBD	Walla Walla, Yakima	8,16	Multiple	Multiple Projects
3	WR1A 30 Pump Storage Facility	TBD	500,000	057	Governor inslee supports pumped storage hydropower project valuation to provide renewable energy technology development.	TBD	Goldendale	Klickitat	14	TBD	
3	City of Quincy - ASR	TBD	2,000,000	057	Drill and test sites to locate potential aquifer storage and recovery (ASR) opportunities. ASR projects store water in underground aquifers until it is needed.	TBD	TBD	TBD	TBD	TBD	TBD
TOTAL			40,000,000								

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:46AM

Project Number: 40000209

Project Title: 2019-21 Chehalis Basin Strategy

Description

Starting Fiscal Year: 2020

Project Class: Grant - Pass Through

Agency Priority: 8

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**What is the proposed project?****BACKGROUND**

In 2007, a series of storms caused extensive flood damage in Southwest Washington, resulting in a presidential disaster declaration and federal funding assistance. From the 2007-09 Biennium through the 2017-19 Biennium, the state appropriated a total of \$152.7 million in capital budgets from state general obligation bonds for catastrophic flood relief and prevention projects in the Chehalis Basin.

Over the last few biennia, enacted capital budget provisos directed work on the multi-benefit Chehalis Basin Strategy. Common themes in the provisos include:

- Evaluating the feasibility and design of structural flood damage-reduction measures, such as retention structures and levees.
- Examining and funding non-structural measures to reduce flood hazards.
- Protecting and enhancing fish populations through habitat preservation and restoration.

Ecology and other state natural resource agencies participated in technical committees to provide comment on consultant products and conducted specific data collection or modeling projects. The Ruckelshaus Center, the leading consultant group, provided project management and oversight. The Chehalis River Basin Flood Authority, consisting of local governments, also received funding for planning and early implementation of flood-damage reduction projects.

Governor Inslee formed the Chehalis Basin Work Group in mid-2012, with members representing the breadth of community interests in the Basin. For the 2013-15, 2015-17, and 2017-19 biennial budgets, the Work Group recommended plans and budgets that informed the budget provisos.

During its 2016 Session, the Legislature passed House Bill 2856 that established the Office of Chehalis Basin (OCB) within Ecology. State lawmakers also transitioned the Governor's work group to an independent Chehalis Basin Board. The mission of the 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. The Board is comprised of members representing local and tribal governments, state natural resource and transportation agencies, and conservation and agricultural interests. It provides oversight of the long-term Strategy, including developing and submitting budget recommendations to the Governor necessary to put the Strategy in place. The Board meets monthly and is staffed by the OCB.

THIS REQUEST

This request is for capital appropriations to fund new grants, contracts, interagency agreements, and staff to develop the long-term strategy; implement early action flood-damage reduction and habitat restoration projects; and begin implementing large-scale actions identified in the Strategy.

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

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Project Number: 40000209

Project Title: 2019-21 Chehalis Basin Strategy

Description

Ecology is also submitting an operating request to establish OCB staff at Ecology and support administration of the Board in line with the fiscal note for HB 2856.

In the 2019-21 Biennium, OCB will implement key fish recovery and flood-damage reduction elements of the Strategy, requiring capital funding for on-the-ground projects. With the delay in passing the 2017-19 Capital Budget, the schedules for certain long-term Strategy elements were also delayed beyond their anticipated schedule.

The schedule for the 2017-19 Biennium now anticipates implementing:

(1) The Chehalis River Basin Flood Authority's 2018 project list of priority, local-scale flood damage reduction actions. Project lists will be submitted to OFM and legislative staff later in the fall of 2018 upon Board approval. Information will be posted at: https://www.ezview.wa.gov/site/alias__1492/34489/local_projects.aspx

(2) 17 fish-barrier correction projects to open 32.5 miles of quality stream habitat.

(3) Priority habitat acquisition and design of five "early action" stream reach restoration projects to be constructed in 2020 as part of developing the Aquatic Species Restoration Plan (ASRP).

(4) Local flood proofing projects, including up to five additional elevated farm pads.

During the 2019-21 Biennium, OCB anticipates:

(1) Completing development of the Board's long-term Strategy.

(2) Finishing revised draft of the ASRP, including the addition of a monitoring and adaptive management plan, to allow the board to adopt a final ASRP.

(3) Conducting baseline monitoring for the ASRP.

(4) Completing a basin-wide flood proofing program strategy.

(5) Facilitating the Environmental Impact Statements (EIS) for the Chehalis River Flood Control Zone District's proposal for a flood retention structure and improvements to the Chehalis-Centralia Airport Levee.

(6) Assisting in the final design and completion of the environmental review and permitting for the Aberdeen/Hoquiam North Shore Levee.

(7) Ensuring completion of feasibility analyses (including geomorphological studies and conceptual design) associated with the Restorative Flood Protection concept in the Newaukum sub-basin.

Requested funds will implement these priority, local flood-damage reduction projects and key Strategy elements associated with aquatic habitat restoration. Funding is also needed for Ecology staff that will prepare and review evaluations associated with a potential Chehalis River dam. This includes water quality monitoring and modeling, economic evaluations, and participation on project review and flood damage reduction technical committees, review of geotechnical engineering reports, and preparing the EIS. Ecology staff will also permit local flood-damage reduction and habitat restoration projects.

Funding will also support consultants and staff at partner agencies to complete development of the integrated long-term Strategy and continue implementing the Strategy. The comprehensive long-term strategy is comprised of a series of project elements. Some are already being implemented and others are still being considered before they will be implemented in the future. Partner agencies include the Quinault Indian Nation and Confederated Tribes of the Chehalis Reservation; Washington State departments of Fish and Wildlife, Natural Resources and Transportation, and the Washington Conservation Commission; U.S. Army Corps of Engineers; Grays Harbor, Lewis, and Thurston County conservation districts; Chehalis River Basin Flood Authority (via Lewis County and comprised of the cities of Aberdeen, Centralia, Chehalis, Cosmopolis, Montesano, Napavine, Oakville, and the towns of Bucoda and Pe Ell); and Chehalis River Flood Control Zone District.

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

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Project Number: 40000209

Project Title: 2019-21 Chehalis Basin Strategy

Description

The total request for this work is estimated at \$72 million. Ecology requests \$45 million in pass through funds to implement on-the-ground flood-damage reduction and aquatic species habitat restoration projects. The remaining \$27 million will be to support participation by state agencies, tribal and local governments, local stakeholders, and consultants to continue early actions and identify long term actions to be included in the final Strategy.

What opportunity or problem is driving this request?

The Legislature created the OCB and Board and directed Ecology to use the Columbia River Basin Water Supply Program as the model for a transparent, coordinated, long-term strategy to manage basin-wide water issues across a diverse set of interests. Ecology is partnering with federal, state, local, and tribal entities and other stakeholders to design and implement multi-benefit projects that address flood damage and degraded aquatic habitat in the Chehalis Basin on a local and basin-wide scale. As of February 2018, Lewis County and its cities lead the state in payments for flood insurance claims – a situation the Chehalis Basin Strategy aims to reduce.

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 aquatic and semi-aquatic species. Together, 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 and others are still being considered before they will be implemented in the future.

There are approximately 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 of them will be reduced or eliminated, especially in communities upstream of Grand Mound, including Adna, Centralia, Chehalis, and Doty; in the Newaukum River sub-basin; and in downtown cores of Aberdeen and Hoquiam. This will establish a new paradigm in the Basin where resiliency and preparedness replace the cycle of repeated damage and recovery from floods.

Along the tributaries to the mainstem of the Chehalis River, there are about four times as many structures as there are within the 100-year floodplains (each tributary has its own 100 year floodplain). Between 25 and 75 percent of these structures can be protected in a way that reduces their exposure to flood damage and escalating flood insurance premium rates over time. And large-scale actions will help ensure that U.S. Interstate 5 through Centralia and Chehalis stays open during a 100-year flood, benefiting Basin communities, regional travelers, and the local and state economies.

Specific environmental benefits from the habitat restoration work planned for the 2019-21 Biennium include barrier culvert-replacement projects that will open fish access to more than 32 miles of critical, quality upstream habitat. The aquatic habitat restoration plan calls for restoring five, one-mile-long stream reaches in the Chehalis River mainstem and its tributaries, and will guide ranking, design, and implementation of future restoration projects in the Basin.

The Strategy will provide public health and environmental benefits through flood-damage reduction actions to maintain public roads access during floods and protect local infrastructure and facilities like wastewater treatment plants. To advance their floodplain management policies and regulations, local governments benefit from consultant and staff support as well as funding through the Chehalis River Basin Flood Authority 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.

During the 2019-21 Biennium, the Board will determine the final components (actions and projects) of the long-term strategy, with an eye toward avoiding repetitive flood damage to structures and their contents and lessening the likelihood of an ESA listing of Chinook and other fish species. By the end of 2019-21, the Board will adopt an official document that will be referred to as The Chehalis Basin Long-Term Strategy.

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:46AM

Project Number: 40000209

Project Title: 2019-21 Chehalis Basin Strategy

Description**What are the effects of non-funding?**

Without funding, Ecology would be unable to aggressively pursue an integrated, two-pronged strategy to reduce long-term flood damage and restore aquatic species habitat in the Basin. The next major floods would cause further damage to Basin farmers, families, businesses, and communities that could have been avoided or mitigated through the actions proposed in this request. Failing to fund this work would also result in higher disaster-recovery response costs by all levels of government. Today, the Chehalis River is one of only two state rivers without salmon species listed under the federal Endangered Species Act (ESA). Studies show that without aggressive habitat restoration, it is very likely spring Chinook would be listed (*Ruckleshaus Center 2014; Programmatic Environmental Impact Statement, 2016*). This would result in greater regulatory burdens, and the federal government imposing changes in permissible land and water uses (e.g., curtailing commercial and recreational fishing, limiting development, etc.) that will increase expenses to state, local, and tribal governments; businesses; and residents.

Why is this the best option or alternative?

This request for new funding will allow Chehalis Basin projects to continue in the 2019-21 Biennium. HB 2856 established the OCB and Chehalis Basin Board to aggressively pursue development and implementation of an integrated strategy and administer funding for long-term flood damage reduction projects and aquatic species restoration activities in the Basin. Another option would be to fund some of the ongoing staffing noted in this request in the operating budget with GF-S resources. Following past budget bill approaches, funding for these staff are requested here. Without capital funding and adequate staff resources, the 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 will bring greater transparency, emphasis, and consistency to the Strategy effort. There is significant need to coordinate and prioritize all the disparate conservation and flood control projects being worked on throughout the basin across different local and state groups. Consistency is needed to harmonize 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 State Conservation Commission and Washington's congressional delegation to secure federal funding to support implementing habitat restoration projects. The OCB expects 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 Flood Authority are requiring applicants to provide information about matching funds they have committed to projects, and those they hope to leverage if projects are funded. This information will be used to evaluate the feasibility of the projects, and may affect their prioritization.

Are FTEs required to support this project?

Ecology requests 17.31 FTEs for this project for Fiscal Year 2020; 19.49 FTEs for Fiscal Year 2021 at a cost of \$2.4 million in Fiscal Year 2020 and \$2.5 million in Fiscal Year 2021. Note: Ecology is requesting Office of Chehalis Basin staff in a related operating budget request for the 2019-21 Biennium, consistent with the fiscal note for HB 2856.

This amount is more than the 11.27 FTEs requested for the 2017-19 Biennium for Catastrophic Flood Relief because additional staff are needed for water quality modeling and monitoring; technical assistance, permitting and coordination of Strategy work; and to manage the EIS process for the proposed Chehalis River dam and airport levee improvements. FTE requirements for Ecology staff will vary each biennium, depending on the status the Strategy and the specific steps planned for that time period. Additional details and breakdown on state-wide staffing needs associated with this request will be included in the project list planned for submission in October 2018 (after Board review and approval).

Capital Project Request

2019-21 Biennium

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Project Number: 40000209

Project Title: 2019-21 Chehalis Basin Strategy

Description**How does the project support the agency and statewide results?**

This request is essential to implementing two priorities in Ecology's strategic plan: "Reduce and Prepare for Climate Impacts" and "Deliver Integrated Water Solutions" because the Legislature established the OCB within Ecology to aggressively pursue implementation of an 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.

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 Washington State departments of Ecology (minus OCB staff), Fish and Wildlife, Natural Resources, and Transportation, and Washington Conservation Commission. Details on these efforts will be included in the project list submitted in October 2018. Funding has also been provided and is anticipated to continue for local and tribal governments and 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.

What is the impact on the state operating budget?

In a complimentary operating budget request titled "Office of Chehalis Basin", Ecology is requesting funding to conduct the core functions of the Office of Chehalis Basin. OCB staff support the Board by organizing and coordinating with consultants to strategically plan, gather, and prepare information and presentations for Board meetings. OCB staff also attend Chehalis River Basin Flood Authority and Lewis County Flood Control Zone District meetings and serve as the main point of contact for Board members, local and tribal governments, and state and federal agency staff. OCB staff prepare budgets and provide management and administrative support to the OCB.

Proviso

The appropriations in this section are subject to the following conditions and limitations: (1) Up to \$27,000,000 of the appropriation is for advancing the long-term strategy for the Chehalis basin projects to reduce flood damage and restore aquatic species including project level environmental review, data collection, engineering design of future construction projects, feasibility analysis, and engagement of state agencies, tribes, and other parties. (2) Up to \$45,000,000 of the appropriation is for construction of local priority flood protection and habitat restoration projects. (3) The office of Chehalis basin board has discretion to allocate the funding between subsections (1) and (2) 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.

Project Type

Grants

Capital Project Request

2019-21 Biennium

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Report Number: CBS002

Date Run: 9/10/2018 10:46AM

Project Number: 40000209

Project Title: 2019-21 Chehalis Basin Strategy

Description

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 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 will review the work proposed for the 2019-21 Biennium in October 2018 and will soon thereafter provide the Governor and Legislature with a project list and map 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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	360,000,000				72,000,000
	Total	360,000,000	0	0	0	72,000,000

Acct Code	Account Title	Future Fiscal Periods			
		2021-23	2023-25	2025-27	2027-29
057-1	State Bldg Constr-State	72,000,000	72,000,000	72,000,000	72,000,000
	Total	72,000,000	72,000,000	72,000,000	72,000,000

Operating Impacts

No Operating Impact

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:07AM

Project Number: 40000177

Project Title: 2019-21 Streamflow Restoration Program

Description

Starting Fiscal Year: 2020

Project Class: Grant - Pass Through

Agency Priority: 9

Project Summary

Ecology is requesting \$40 million in new appropriation authority to continue implementing the ESSB 6091 Streamflow Restoration Program 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, Watershed Restoration and Enhancement Taxable Bond Account).

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

Engrossed Substitute Senate Bill (ESSB 6091) from the 2018 Legislative Session 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, or 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 streamflows and instream resources, as directed under the new law.

Ecology anticipates accepting Streamflow Restoration Program grant funding applications beginning October 1, 2018 through October 31, 2018. Ecology will process, review and score applications from November through December 2018. Ecology plans to have a project list detailing the first streamflow restoration grant funding round by early January 2019, and will provide the list to the Office of Financial Management and legislative staff. It will develop the list using interim guidance in consultation with stakeholders. Ecology is currently establishing rules that will outline and define the Streamflow Restoration Program grant process and direction. It expects to finalize these rules by early 2020.

What opportunity or problem is driving this request?

Washington has a new streamflow restoration law 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, ESSB 6091, 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.

ESSB 6091 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 ability to get a building permit for a new home when the proposed source of water was a permit-exempt well. Before the passage of ESSB 6091, 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 will implement the directives in ESSB 6091, 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.

Capital Project Request

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Project Number: 40000177

Project Title: 2019-21 Streamflow Restoration Program

Description

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:
- 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 107 jobs during the next three years based on Office of Financial Management estimates.

What are the effects of non-funding?

ESSB 6091 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 2019-21 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 two 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 for new appropriated capital dollars will fund the work envisioned in ESSB 6091. No other alternatives were considered, because this was the process agreed to by most affected groups and enacted by the Legislature.

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

This request will allow streamflow restorations 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 2019-21 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?

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Description

Ecology FTEs supporting this work are funded in the operating budget, and we are requesting a maintenance level adjustment for the staffing required in 2019-21 in a related operating request titled, "Streamflow Restoration Program."

How does the project support the agency and statewide results?

This project is essential to implementing Ecology's strategic priority to Develop Integrated Water Solutions by helping meet economic and community needs for reliable water supplies, while protecting and enhancing river flows for fish.

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?

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. Specifically, 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 ESSB 6091 as identified in the Ecology fiscal note for the bill. Funding was provided to both these state agencies to implement their respective obligations under ESSB 6091.

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 identified in the fiscal note for ESSB 6091.

What is the impact on the state operating budget?

Ecology received \$3.897 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. The funding in Ecology's operating budget request will provide the necessary financial oversight and project management for all capital projects implemented under this act.

For the 2019-21 Biennium, the carryforward level established for this work is \$3.7 million per year (\$7.4 million for the biennium). The fiscal note for ESSB 6091 established implementation funding for the 2019-21 at \$12.2 million and 29.3 FTEs. Ecology is requesting an additional \$4.8 million (\$12.2 M - \$7.4 M = \$4.8 M) and 11.5 FTEs in the related operating budget request.

Funding will provide additional infrastructure to implement the local watershed planning process that identifies projects that will improve instream flows statewide. With this request, Ecology will be able to deliver additional water supplies to meet the water needs for growing communities and improve stream flow conditions for fish, wildlife and recreational uses. These investments will help meet priority needs of water users statewide.

Proviso

N/A

Project Type

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Project Title: 2019-21 Streamflow Restoration Program

Description

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		2019-21 Fiscal Period	
			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			
		2021-23	2023-25	2025-27	2027-29
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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Report Number: CBS002

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Project Number: 40000179

Project Title: 2019-21 Yakima River Basin Water Supply

Description

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 10

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 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**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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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 \$31.1 million in the 2017-19 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.

This request for \$42.0 million will fund continued 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 or the State Taxable 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 2017-19 Biennium:

1. Cle Elum Reservoir – The Yakama Nation reintroduced sockeye to Lake Cle Elum in 2009 and works closely with the USBR and Yakima Basin Integrated Plan stakeholders to restore fish passage throughout the Basin (Cle Elum dam is one of five reservoirs in the basin constructed without fish passage nearly a century ago). This commitment has made great initial strides at Cle Elum Reservoir, where construction on a unique downstream passage system broke ground in September 2015. This system offers exiting fish a series of inlets into a helix structure accommodating seasonal variations in water level due to irrigation drawdowns. Ecology is providing \$9 million toward this effort in the 2017-19 Biennium and is requesting \$20.1 million in 2019-21 to continue our partnership with USBR on this project (USBR has provided ~ \$32 million from 2015 to 2018).

Work has been completed to raise the dam's radial gates three feet, increasing the storage capacity in the lake by 14,600 acre-feet. This water is reserved for in-stream use to ensure the migrating and resident fish in the Yakima River have access to cold, clean water throughout the year. Ecology is requesting \$3.3 million in 2019-21 to continue to work with USBR, Kittitas County, and landowners along the shoreline to reinforce and protect shoreline property from anticipated erosion when the water level rises.

2. Kachess Drought Relief Pumping Plant – Kachess Reservoir was built in 1912 by constructing a 115-foot-high earthfill dam at the end of a natural glacial lake. Kachess Reservoir holds 825,000 acre-feet, but only the top 239,000 acre-feet is accessible through the dam outlet work. The Reservoir is operated by USBR to provide irrigation water to the Yakima Irrigation Project. The Kachess Drought Relief Pumping Plant (KDRPP) will access an additional 200,000 acre-feet of water from the reservoir below the outlet work for a maximum total of 439,000 acre-feet.

The Supplemental Draft Environmental Impact Statement (SDEIS) for the KDRPP and Keechelus to Kachess projects was released to the public on April 2018, with a final EIS expected by the end of 2018. Ecology is providing approximately \$700,000 in 2017-19 funds to finish up the environmental review process. To date, Ecology and USBR have spent funds on design and environmental review for the project, but the water users that would benefit from the project will be the primary funding source for KDRPP. While Ecology is not requesting any additional funds in 2019-21, we are excited to see this surface storage project move forward in the Basin.

3. Kittitas Reclamation District Tributary Enhancement Project – During the drought in 2015, Kittitas Reclamation District (KRD) helped provide critical water supplies to dwindling tributaries in the Yakima Basin by transporting Yakima Irrigation Project water through KRD canals. This prevented fish mortality of thousands of fish stranded in pools that were quickly drying up. KRD's

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canal(s) cross many tributaries to the Yakima River and, by making a few modifications to their system and adding turnouts from the canal to the creeks, KRD is able to deliver cold, clean water from the headwaters of the Yakima Basin to boost stream flows in these smaller tributaries.

KRD continues to work with Integrated Plan partners to implement additional conservation measures. This will free up more capacity in the KRD canal system to expand the tributary enhancement program to include Taneum Creek, Manastash Creek, Big Creek, and Little Creek. Ecology is requesting \$4.3 million in habitat enhancements and \$4.5 million for agriculture conservation projects in 2019-21 to achieve drought resiliency by providing more water for stream flows that fish need to survive and by stretching the amount of water available by using it more efficiently. KRD's Tributary Supplementation Program is nationally recognized as a win-win; a win for agriculture and a win for fish.

This request will fund the next installment of the ten-year Initial Development Phase that runs through the 2021-2023 Biennium. For the 2019-21 Biennium, proposed projects by the Plan improvement categories (See attached project list) include:

1. Habitat: \$4.3 million - Tributary/Mainstem Habitat Restoration Projects

Fish habitat enhancement program will address mainstem and tributary habitat restoration priorities, such as flow restoration, fish barrier removal, and screening diversions.

2. Fish Passage: \$21.9 million - Cle Elum, Tieton, and Clear Lake Dam Passage

Construction of up and downstream fish passage facilities at Cle Elum and Clear Lake. Feasibility and design work at Tieton.

3. Structural & Operational Modifications: \$5.3 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.

4. Surface Storage: \$5.2 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.

5. Groundwater Storage: \$600,000 - 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.

6. Water Conservation: \$4.6 million – Agricultural/Municipal/Domestic Conservation projects.

7. Market Driven Reallocation: \$100,000 - General Support for markets to exchange water and provide banking 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

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Description

floodplain functions by past and present land use practices; and altered streamflows due to heavy irrigation demand that leaves some streamflows too high or too low to provide good fish habitat.

There are many reasons it is difficult to meet demand for current and future municipal and domestic water supplies. First, water rights in the basin are fully appropriated, which makes it difficult to acquire water to meet future municipal and domestic water demand. Second, pumping groundwater for irrigation and municipal uses has shown to reduce surface water flows in some locations, which may affect other existing water rights.

Finally, climate change projections indicate there will be changes in runoff and streamflow patterns, which will increase the need for prorationing 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 159 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 ten-year Initial Development Phase (2013 through 2023), a state investment of approximately \$70 million in 2021-23 will be needed. Ecology anticipates that demand for funding will be higher in the out 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

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Description

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 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 introduced in the summer of 2015 complements RCW 90.38.060; a necessary step in securing federal funding at the scale needed to construct major projects. Ecology will continue collaboratively to 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 2.19 FTEs to provide project management, scientific expertise, and contract oversight and support to implement Plan projects. This is a similar level of FTEs currently supporting this capital project (2.30) in the 2017-19 Biennium. 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 2019-21.

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How does the project support the agency and statewide results?

This request is essential to implementing Ecology’s strategic priority to Develop Integrated Water Solutions 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.

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

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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.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	382,000,000				42,000,000
	Total	382,000,000	0	0	0	42,000,000

Acct Code	Account Title	Future Fiscal Periods			
		2021-23	2023-25	2025-27	2027-29
057-1	State Bldg Constr-State	70,000,000	70,000,000	100,000,000	100,000,000
	Total	70,000,000	70,000,000	100,000,000	100,000,000

Operating Impacts

No Operating Impact

SubProjects

SubProject Number: 40000183

SubProject Title: Habitat - Multiple

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Project Title: 2019-21 Yakima River Basin Water Supply

SubProjects

SubProject Number: 40000183

SubProject Title: Habitat - Multiple

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 10

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 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

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.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Expenditures			2019-21 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	4,300,000				4,300,000
	Total	4,300,000	0	0	0	4,300,000
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State	0	0	0	0	
	Total	0	0	0	0	

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:31AM

Project Number: 40000179

Project Title: 2019-21 Yakima River Basin Water Supply

SubProjects

SubProject Number: 40000183

SubProject Title: Habitat - Multiple

Operating Impacts

No Operating Impact

SubProject Number: 40000184

SubProject Title: Fish Passage - Cle Elum, Clear Lake and Tieton Dams

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 10

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 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

Cle Elum and Clear Lake Dam Passage - Construction of down stream / upstream fish passage facilities. Tieton Dam upstream/downstream fish passage facility feasibility and design.

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.

Growth Management impacts

N/A

Capital Project Request

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:31AM

Project Number: 40000179

Project Title: 2019-21 Yakima River Basin Water Supply

SubProjects

SubProject Number: 40000184

SubProject Title: Fish Passage - Cle Elum, Clear Lake and Tieton Dams

<u>Funding</u>		<u>Expenditures</u>			<u>2019-21 Fiscal Period</u>	
<u>Acct Code</u>	<u>Account Title</u>	<u>Estimated Total</u>	<u>Prior Biennium</u>	<u>Current Biennium</u>	<u>Reappropriations</u>	<u>New Appropriations</u>
057-1	State Bldg Constr-State	21,900,000				21,900,000
	Total	21,900,000	0	0	0	21,900,000

		<u>Future Fiscal Periods</u>			
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000185

SubProject Title: Structural & Operational Modifications

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 10

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 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

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

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:31AM

Project Number: 40000179

Project Title: 2019-21 Yakima River Basin Water Supply

SubProjects

Project Type

SubProject Number: 40000185

SubProject Title: Structural & Operational Modifications

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	3,300,000				3,300,000
	Total	3,300,000	0	0	0	3,300,000
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State	0	0	0	0	
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

SubProject Number: 40000186

SubProject Title: Structural & Operational Modifications

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:31AM

Project Number: 40000179

Project Title: 2019-21 Yakima River Basin Water Supply

SubProjects

SubProject Number: 40000186

SubProject Title: Structural & Operational Modifications

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 10

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 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

Upper Yakima System Storage - Feasibility study to add small scale gravity fed storage to the Yakima irrigation delivery system in Kittitas County.

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.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Expenditures			2019-21 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	2,000,000				2,000,000
	Total	2,000,000	0	0	0	2,000,000
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:31AM

Project Number: 40000179

Project Title: 2019-21 Yakima River Basin Water Supply

SubProjects

SubProject Number: 40000186

SubProject Title: Structural & Operational Modifications

Operating Impacts

No Operating Impact

SubProject Number: 40000187

SubProject Title: Surface Storage

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 10

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 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

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

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

Capital Project Request

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:31AM

Project Number: 40000179

Project Title: 2019-21 Yakima River Basin Water Supply

SubProjects

SubProject Number: 40000187

SubProject Title: Surface Storage

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	1,700,000				1,700,000
Total		1,700,000	0	0	0	1,700,000

Future Fiscal Periods

	Future Fiscal Periods			
	2021-23	2023-25	2025-27	2027-29
057-1 State Bldg Constr-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000188

SubProject Title: Surface Storage

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 10

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 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

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

461 - Department of Ecology
 Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:31AM

Project Number: 40000179

Project Title: 2019-21 Yakima River Basin Water Supply

SubProjects

Project Type

SubProject Number: 40000188

SubProject Title: Surface Storage

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	3,500,000				3,500,000
	Total	3,500,000	0	0	0	3,500,000
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State	0	0	0	0	
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

SubProject Number: 40000189

SubProject Title: Groundwater Storage - Multiple

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:31AM

Project Number: 40000179

Project Title: 2019-21 Yakima River Basin Water Supply

SubProjects

SubProject Number: 40000189

SubProject Title: Groundwater Storage - Multiple

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 10

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 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

Regional Storage Options to include aquifer storage and recovery and/or groundwater infiltration would be accomplished by diverting water into designed infiltration systems (ponds, canals or spreading areas) prior to storage releases from the Yakima Project.

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.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Expenditures			2019-21 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	600,000				600,000
	Total	600,000	0	0	0	600,000

		Future Fiscal Periods			
		2021-23	2023-25	2025-27	2027-29
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:31AM

Project Number: 40000179

Project Title: 2019-21 Yakima River Basin Water Supply

SubProjects

SubProject Number: 40000189

SubProject Title: Groundwater Storage - Multiple

Operating Impacts

No Operating Impact

SubProject Number: 40000190

SubProject Title: Water Conservation - Multiple

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 10

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 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

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.

Growth Management impacts

N/A

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:31AM

Project Number: 40000179

Project Title: 2019-21 Yakima River Basin Water Supply

SubProjects

SubProject Number: 40000190

SubProject Title: Water Conservation - Multiple

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	4,600,000				4,600,000
	Total	4,600,000	0	0	0	4,600,000

Future Fiscal Periods

	2021-23	2023-25	2025-27	2027-29
057-1 State Bldg Constr-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000191

SubProject Title: Market Driven Reallocation - Multiple

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 10

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 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

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

461 - Department of Ecology
Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:31AM

Project Number: 40000179

Project Title: 2019-21 Yakima River Basin Water Supply

SubProjects

SubProject Number: 40000191

SubProject Title: Market Driven Reallocation - Multiple

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	100,000				100,000
	Total	100,000	0	0	0	100,000
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State	0	0	0	0	
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

SubProject Number: 40000192

SubProject Title: 2019-21 Yakima River Basin Water Supply Ten-Year Financial Plan

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:31AM

Project Number: 40000179

Project Title: 2019-21 Yakima River Basin Water Supply

SubProjects

SubProject Number: 40000192

SubProject Title: 2019-21 Yakima River Basin Water Supply Ten-Year Financial Plan

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 10

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 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

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.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	340,000,000				
	Total	340,000,000	0	0	0	0

Future Fiscal Periods

Acct Code	Account Title	Future Fiscal Periods			
		2021-23	2023-25	2025-27	2027-29
057-1	State Bldg Constr-State	70,000,000	70,000,000	100,000,000	100,000,000
	Total	70,000,000	70,000,000	100,000,000	100,000,000

Operating Impacts

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:31AM

Project Number: 40000179

Project Title: 2019-21 Yakima River Basin Water Supply

SubProjects

SubProject Number: 40000192

SubProject Title: 2019-21 Yakima River Basin Water Supply Ten-Year Financial Plan

No Operating Impact



**Ecology 2019-21 Biennium Budget Project List
Yakima Basin Integrated Plan
Project List (Initial Development Phase)**

July 2018

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	Project Category Description	Site Address	City	County	Leg. District	Lat.	Long.
1	Habitat - Multiple	4,300,000	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	Programmatic	Various	Various	Kittitas, Yakima and Benton	13,14,15,16	Multiple	Multiple
1	Fish Passage - Cle Elum, Clear Lake and Tieton Dams	21,900,000	Cle Elum and Clear Lake Dam Passage - Construction of down stream / upstream fish passage facilities. Tieton Dam upstream/downstream fish passage facility feasibility and design.	Programmatic	Various	Various	Kittitas and Yakima	13,14,15	Multiple	Multiple
1	Structural & Operational Modifications	3,300,000	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.	Programmatic	Various	Various	Kittitas	13	47.274308	-121.10436
1	Surface Storage	2,000,000	Upper Yakima System Storage - Feasibility study to add small scale gravity fed storage to the Yakima irrigation delivery system in Kittitas County	Programmatic	Various	Various	Kittitas	13	Multiple	Multiple
1	Surface Storage	1,700,000	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).	Programmatic	Various	Various	Kittitas	13	Multiple	Multiple
1	Surface Storage	3,500,000	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.	Programmatic	Various	Various	Kittitas and Yakima	14,15	Multiple	Multiple
1	Groundwater Storage - Multiple	600,000	Regional Storage Options to include aquifer storage and recovery and/or groundwater infiltration would be accomplished by diverting water into designed infiltration systems (ponds, canals or spreading areas) prior to storage releases from the Yakima Project.	Programmatic	Various	Various	Multiple	13,14,15,16	Multiple	Multiple
1	Water Conservation - Multiple	4,600,000	Agricultural, municipal, domestic conservation projects.	Programmatic	Various	Various	Kittitas, Yakima, and Benton	13,14,15,16	Multiple	Multiple
1	Market Driven Reallocation - Multiple	100,000	General Support for markets to exchange water and provide banking opportunities.	Programmatic	Various	Various	Multiple	13,14,15,16	Multiple	Multiple
Total		42,000,000								

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:19AM

Project Number: 40000178

Project Title: 2019-21 Drought and Climate Preparedness and Response

Description

Starting Fiscal Year: 2020

Project Class: Grant - Pass Through

Agency Priority: 13

Project Summary

Ecology is requesting \$10.0 million in new appropriation authority to implement the Drought and Climate Preparedness and Response Program. This request will fund preparations for long-term climate change conditions and immediate drought impacts. Funded projects will 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. These investments will help meet priority needs of the water users statewide. (State Building Construction Account)

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

Washington faces serious impacts to its snowpack, infrastructure, and water supplies. As the climate changes, drought becomes more common and temperatures climb. This affects where, when, and how much water is available for all users. Protecting Washington's fish, farms, and communities from the impacts of climate change and drought is a priority for Ecology. To take meaningful steps toward addressing climate change and drought, states, cities, counties, and private businesses and organizations need to collaborate to find solutions.

A reliable water supply is vital for the communities, businesses, industries, environment, and quality of life in Washington. Many communities rely on a snow-fed water supply to provide safe and clean drinking water. The irrigated agriculture industry, which helps drive local and state economy, relies on water to irrigate crops. That same water also feeds rivers and streams that support salmon, wildlife and recreational uses. Washington's abundant hydropower resources supply two-thirds of the electricity for the state.

The impacts of climate change and drought will intensify current challenges in managing water resources and increase uncertainty in the future of the water supply. It will become more difficult to maintain an adequate water supply for communities, agriculture, and fish and wildlife. As the climate shifts and drought becomes more common, the timing and volume of stream flows will change due to reduced snowpack and earlier snowmelt. There will be increased risk of summer water shortages and more demand for water, which will intensify competition for water for both instream and out-of-stream uses.

While Ecology does not anticipate declaring a drought in 2018, there are still considerable water supply impacts affecting both instream and out-of-stream users, especially in Southwest Washington. Various local governments are considering trucking water to provide domestic supply. Low flows and human-made barriers are also impacting fish passage. This request will fund projects that help prepare for and address the impacts of drought and climate change.

Ecology expects to develop Drought and Climate Preparedness funding guidance based on already developed information summarized in prior drought declarations and through the update of the State Drought Contingency Plan coordinated through the United States Geological Survey.

Interim guidance for the Drought and Climate Preparedness Program will be available in July 2019. Ecology anticipates accepting grant funding applications beginning August 1, 2019 through October 1, 2019, and will process, review and score applications from October through November 2019. Ecology expects to have a project list detailing the first grant funding round by January 1, 2020.

This request will provide grant funding to assess, develop, and implement projects designed to prepare or respond to ongoing climate change and drought conditions. This request also complements agency request legislation being submitted in 2019 to modernize existing drought statutes and statewide drought response processes. Should agency request legislation be enacted, Ecology will adopt permanent funding program guidance as part of the drought rule update beginning July 2019. The permanent rule is anticipated to take 18 months to complete.

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 10:19AM

Project Number: 40000178

Project Title: 2019-21 Drought and Climate Preparedness and Response

Description**What opportunity or problem is driving this request?**

With a temperate climate and typically wet weather, it seems Washington would fare better than many places in dealing with climate change. The truth, though, is that Washington faces serious impacts to snowpack and water supplies as temperatures climb.

During the winter, when the majority of precipitation occurs, snow accumulates in upper elevations and forms a natural reservoir that stores water during times when demands are relatively low. As the climate warms, more precipitation falls as rain and less as snow, leaving less water naturally stored in snowpack and glaciers. The snow melts earlier in the spring, and less water is available to feed streams in the late summer when water demands are highest.

Widespread declines in spring snowpack have already occurred across the Western U.S., especially since the 1950s. Greater losses in snowpack have been observed in mid-elevation mountain ranges, such as the Cascades, where sensitivity to changes in temperature is high. Snow is melting earlier, and peak runoff occurs from one to four weeks earlier across much of the Western U.S. than in the 1950s.

Tackling climate change is a priority for Ecology, to ensure protection of fish, farms, and waters from the damage that rising temperatures and shifting precipitation patterns are causing in Washington. Ecology expects the changes evident now, such as the 2015 drought, to become more frequent and more intense in the future. Excess carbon dioxide and a changing climate are having wide-ranging impacts, including impacts to marine waters, drinking water, food production, and recreational and commercial activities. (See Ecology publication "Preparing for a Changing Climate: Washington State's Integrated Climate Response Strategy" at <https://fortress.wa.gov/ecy/publications/documents/1201004.pdf> for more information).

Unlike classic droughts, characterized by extended precipitation deficits, 2015 was the year of the "snowpack drought." Washington had normal or near-normal precipitation over the 2014-2015 winter season. But, October through March, the average statewide temperature was 40.5 degrees Fahrenheit. This was 4.7 degrees above the 20th century long-term average and ranked as the warmest October through March on record. Washington experienced record low snowpack because mountain precipitation that normally fell as snow instead fell as rain.

The snowpack deficit was compounded as precipitation began to lag behind normal levels in early spring and into the summer. With record spring and summer temperatures, and little to no precipitation over many parts of the state, the snowpack drought morphed into a traditional precipitation drought. This caused injury to crops and aquatic species. Many rivers and streams experienced record low flows.

These patterns are expected to continue and further alter the hydrologic behavior of many watersheds in Washington. Under a moderate emissions modeling scenario, spring snowpack levels across the state are projected to decrease 29 percent by the 2020s, 44 percent by the 2040s, and 65 percent by the 2080s, relative to the 1971-2000 average. (source Mote, P.W., and E.P. Salathé. 2010. Future climate in the Pacific Northwest. Climatic Change volume 102(1-2): 29-50, doi: 10.1007/s10584-010-9848-z)

Climate change leads to more widespread extreme weather events, like severe storms and flooding, that can affect people's homes. Washington communities rely on snow-fed water supplies to provide safe and clean drinking water. Climate change has already altered and will continue to alter snowpack and streamflows. This affects where, when, and how much water is available.

A reliable water supply is vital for communities, businesses, industries, the environment, and overall quality of life in Washington. Ecology needs funding dedicated to addressing water shortage issues related to climate change and drought conditions.

What are the specific benefits of this project?

This request will focus on water supply strategies and projects designed to protect communities and natural resources from the impacts of climate change and drought. The projects funded by these grants include advancing fish passage, watershed

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Description

enhancement, and water supply to meet the needs of people, farms, and fish. Many of these efforts also improve stream flow in critical reaches, and improve other fish habitat conditions. Requested funds will be used to assess and construct 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 statewide.

This request will also provide economic benefits to the state by creating up to 54 jobs during the next three years based on Office of Financial Management estimates.

What are the effects of non-funding?

If funds are not appropriated for the 2019-19 Biennium, new water for instream and out-of-stream uses – including municipal, agricultural, tribal communities, and fish and wildlife – would not be available. Feasibility studies, other contract work currently in process, and new water supply projects that specifically address impacts from climate change and drought would not be completed or started. Ecology would be significantly limited in its ability to implement water supply solutions in rural areas of the state not included within the primary project plans of the Columbia and Yakima Basins. Without capital funding, the projects would not be implemented, and existing water supply problems would continue and likely become more volatile in the future.

Why is this the best option or alternative?

New funds allow climate change and drought projects to be started and solutions to historic water supply problems implemented. The availability of extensive capital funding is critical to implementing necessary climate change and drought projects and securing future commitments from local, state, federal, and tribal partners.

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

Historically, the State does not implement preparedness projects in advance of drought conditions manifesting, but waits until a drought is declared and then implements emergency response projects to offset immediate water supply problems.

This request will implement projects that prepare for anticipated drought conditions by drought-proofing water availability for both instream and out-of-stream uses. Examples of these types of preparedness projects include deepening wells, leak prevention, installing backup diversions or extending intakes to mitigate against low flows, etc. Once installed, these projects guard against future drought conditions and give water users greater flexibility during low water supply years. This will in turn, expand the portfolio of water available for the instream flow needs for fish, agriculture, public health and safety, and economic development.

Each year, the state's water supply is dependent on rainfall, snowpack, and temperature. Surface and groundwater availability varies by watershed and the sub-basins within those watersheds. Due to variable climate conditions, it is difficult for Ecology to accurately predict the water supply in any given water year^[1] due to the considerable changes in rainfall, snowpack and temperature that can occur over the late fall, winter and early spring. Ecology anticipates splitting total authority between fiscal years to ensure that emergency drought response funds would be available in either the 1st or 2nd fiscal year of the biennium. Under this request, \$5.0 million would be held until the 2nd fiscal year to guard against manifestation of drought conditions. If no drought is declared in any given fiscal year, Ecology would proceed to funding drought preparedness and resiliency projects.

During years when a drought is declared, Ecology will delay implementation of preparedness projects (described above) and use funding to implement emergency water supply response projects to increase instream and out-of-stream water supplies. Examples of projects to be implemented during a drought declaration include emergency well use, intake modifications, barrier installation to pool water for fish, trucking water, acquisition or leasing of senior water rights, and fallowing crops. Because it is difficult to secure alternative water supplies during a drought, and often much more expensive to buy or lease water from an already scarce supply, Ecology will implement drought preparedness projects in non-drought years to make them more cost effective and limit overall impact to people and the environment. This will help water users have a more predictable water supply during extreme drought events and as climate continues to change.

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Description

[1] The water year runs from October 1st thorough September 30th of each year.

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

Ecology proposes using State Building Construction Account (SBCA) bonds to fund the projects anticipated in this request. Using these bonds is the appropriate mechanism to fund multi-million dollar projects that will provide instream and out-of-stream benefits for decades. Ecology will work with our state, federal and local partners to obtain input on Drought & Climate Preparedness guidance and rules.

Interim guidance for this funding program would be available beginning July 1, 2019. Ecology anticipates accepting Drought & Climate Preparedness grant funding applications beginning August 1, 2019. The application acceptance window is expected to be open for 60 days until October 1, 2019. Ecology will process, review and score applications from October through November 2019. Ecology expects to have a project list detailing the first Drought & Climate Preparedness grant funding round by January 1, 2020.

Ecology anticipates including local cost share requirements in the overall grant program, which will be considered as the program guidance is developed.

The request also includes \$35,000 for the costs to set up and modify the grant/loan applications in the Ecology's grant and loan system.

Are FTEs required to support this project?

This request requires 1.15 FTEs to provide project management, scientific expertise, contract oversight, and support to implement projects.

How does the project support the agency and statewide results?

This request is essential to implementing a priority in Ecology's strategic plan to Develop Integrated Water Solutions by helping meet economic and community needs for reliable water supplies, while protecting and enhancing river flows for fish.

This request supports the Governor's priorities related to Economy and Agriculture: Protect and manage scarce resources and enable more efficient movement of time-sensitive agricultural goods through policy actions and infrastructure development.

This request is essential to support the Governor's Results Washington Goal 3: Sustainable Energy and a Clean Environment, Goal Topics: Healthy Fish and Wildlife, Clean and Restored Environment, and Working and Natural Lands by:

- Improving instream flow and aquatic habitat to reduce on-farm water use (but still allowing crops to be grown).
- Increasing the amount of water instream, fish and wildlife species are more likely to maintain healthy populations from higher water levels (enough water to live and reproduce).
- Reducing water temperatures (enough cool water to better disperse heat).
- Improving fish habitats (food chain is maintained so they can find food to eat, shading from trees and plants is improved so the temperatures do not get too high, spawning grounds are available with the right size of gravel, etc.)
- Making more water available for irrigating crops and developing agricultural infrastructure.
- Strengthening long-term strategic relationships with agriculture, industrial, municipal, and tribal communities in Eastern Washington.

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

Other government programs that support economic community and agriculture development and protection and restoration of fish species will benefit from these projects. The Washington Department of Fish and Wildlife is an active partner in identifying the most critical needs for protecting and enhancing streamflows for fish. The Washington State Conservation Commission

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Project Title: 2019-21 Drought and Climate Preparedness and Response

Description

helps promote on-farm irrigation efficiencies. Cities and counties likely will be strong supporters and active partners. The United States Bureau of Reclamation is a funding partner with Ecology in new storage and conservation projects within federal reclamation areas.

Ecology is currently working on a broad range of projects to improve overall water supply for instream and out-of-stream uses that include Columbia River, Yakima Integrated Plan, Streamflow Restoration and other capital programs. Just as diverse is the spectrum of partners, beyond those identified above, that are involved in these projects. The portfolio of participants includes, but is not limited to, local conservation districts, irrigation districts, municipal water systems, numerous environmental groups, agricultural organizations, and local governments. These organizations are providing Ecology policy guidance for this work, and will likely be grant recipients and project partners critical to successfully implementing a comprehensive climate change and drought water supply plan.

What is the impact on the state operating budget?

None.

Proviso

N/A

Project Type

Grants

Grant Recipient Organization: N/A

RCW that establishes grant: N/A

Application process used

Interim guidance for this funding program will be available July 2019. Ecology anticipates accepting grant funding applications from August 1 through October 1, 2019, and will review and score applications from October through November 2019. Ecology expects to have a project list detailing the first Drought and Climate Preparedness grant funding round by January 1, 2020.

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	50,000,000				10,000,000
	Total	50,000,000	0	0	0	10,000,000

		Future Fiscal Periods			
		2021-23	2023-25	2025-27	2027-29
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

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Report Number: CBS002

Date Run: 9/7/2018 4:56PM

Project Number: 40000111

Project Title: 2019-21 Sunnyside Valley Irrigation District Water Conservation

Description

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 16

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 additional 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. This request includes \$4.2 million to continue the construction schedule for the state's share of the Yakima River Basin Water Enhancement Project in the 2019-21 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 (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

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Project Title: 2019-21 Sunnyside Valley Irrigation District Water Conservation

Description

above and beyond the initial SVID Phase I and II savings of 100 cfs per year.

Phase II C is expected to be completed during the 2019-21 Biennium and will have conserved approximately 2,172 acre-feet of water.

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 2019-21 Biennium based on the USBR construction schedule. This includes requests for SVID Phase II C and 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 2019-21 Biennium is \$4.16 million. Staffing resources to provide project management and oversight of these projects is roughly \$58,000 for the biennium and \$15,000 to maintain and update the grant or loan applications in the agency systems. Total project implementation costs are \$4.23 million for the 2019-21 Biennium. Projects included in the 2019-21 Biennium are noted below.

Phase II C

- During the 2019/21 construction season SDBOC will complete piping on laterals 35.51, 36.15, 36.52, 36.74, and 33.21, totaling 4.8 miles for an estimated 484 acre feet of conserved water.

- Design and bids will be completed on laterals 33.74, 34.60, 35.22, and 37.37.

- During the 2019/20 construction season, USBR will complete 7.1 miles on laterals 33.74, 34.60, 35.22, and 37.37 with an estimated 801 acre feet of conserved water. This will complete construction on Phase II C, with close out September 30, 2020 with an estimated total conserved water of 2,172 acre feet.

Phase II D

- Reclamation will modify funding agreement to add Fiscal Year 2019 funds. During the 2019/21 construction season, piping will be completed on 2.8 miles of lateral 51.87 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 2019/20 construction season.

- Reclamation will modify the grant funding to add funds for Fiscal Year 2020. During the 2019/20 construction season, piping will be completed on 4.5 miles of lateral 51.87 with conserved water of 443 acre feet. SDBOC will complete design and bids on an additional 4.5 miles of lateral 51.87 for the 2020/21 construction season.

- Reclamation will modify the grant funding agreement to add funds for Fiscal Year 2021. During 2020/21 construction season, piping will be completed on 4.5 miles of lateral 51.87 with conserved water of 443 acre feet. SDBOC will complete design and bids on an additional 4.5 miles of lateral 51.87 for the 2021/22 construction season.

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.

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

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Project Title: 2019-21 Sunnyside Valley Irrigation District Water Conservation

Description

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 18 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 2017-19 Biennium.

How does the project support the agency and statewide results?

This request is essential to implementing a priority in Ecology's strategic plan to Develop Integrated Water Solutions, the Governor's Results Washington Goal 3: Sustainable Energy and a Clean Environment, and the Governor's priority for Economy and Outdoor Recreation by:

- 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

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Description

(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.

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: None

Application process used

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	21,170,000				4,234,000
	Total	21,170,000	0	0	0	4,234,000

		Future Fiscal Periods			
		2021-23	2023-25	2025-27	2027-29
057-1	State Bldg Constr-State	4,234,000	4,234,000	4,234,000	4,234,000
	Total	4,234,000	4,234,000	4,234,000	4,234,000

Operating Impacts

No Operating Impact

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Project Number: 40000111

Project Title: 2019-21 Sunnyside Valley Irrigation District Water Conservation

SubProjects

SubProject Number: 40000112

SubProject Title: Sunnyside Valley Irrigation District

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 16

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 additional 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. This request includes \$4.2 million to continue the construction schedule for the state's share of the Yakima River Basin Water Enhancement Project in the 2019-21 Biennium. (State Building Construction Account)

Project Description

Piping of Lateral Water Distribution System - Includes Phase IIC and IID piping on laterals totaling 23.7 miles for an estimated 2,363 AF of conserved water. Design and bids will be completed on additional laterals totaling another 13.5 miles. This will complete construction on Phase IIC, with close out commencing September 30, 2020 and running into the next fiscal year. Phase IID will be ongoing.

Proviso

None

Location

City: Sunnyside

County: Yakima

Legislative District: 015

Project Type

Grants

Grant Recipient Organization: Public Agriculture Water Supply Facilities and US. Bureau of Reclamation

RCW that establishes grant: None

Application process used

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	20,800,000				4,160,000
	Total	20,800,000	0	0	0	4,160,000

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Project Number: 40000111

Project Title: 2019-21 Sunnyside Valley Irrigation District Water Conservation

SubProjects

SubProject Number: 40000112

SubProject Title: Sunnyside Valley Irrigation District

		Future Fiscal Periods			
		2021-23	2023-25	2025-27	2027-29
057-1	State Bldg Constr-State	4,160,000	4,160,000	4,160,000	4,160,000
Total		4,160,000	4,160,000	4,160,000	4,160,000

Operating Impacts

No Operating Impact

SubProject Number: 40000113

SubProject Title: Ecology Project Staff

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 16

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 additional 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. This request includes \$4.2 million to continue the construction schedule for the state's share of the Yakima River Basin Water Enhancement Project in the 2019-21 Biennium. (State Building Construction Account)

Project Description

Project Implementation and Oversight Staffing.

Proviso

None

Location

City: Sunnyside

County: Yakima

Legislative District: 015

Project Type

Grants

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Report Number: CBS002

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Project Number: 40000111

Project Title: 2019-21 Sunnyside Valley Irrigation District Water Conservation

SubProjects

SubProject Number: 40000113

SubProject Title: Ecology Project Staff

Grant Recipient Organization: Public Agriculture Water Supply Facilities and US. Bureau of Reclamation

RCW that establishes grant: None

Application process used

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	370,000				74,000
	Total	370,000	0	0	0	74,000

Future Fiscal Periods

Acct Code	Account Title	2021-23	2023-25	2025-27	2027-29
057-1	State Bldg Constr-State	74,000	74,000	74,000	74,000
	Total	74,000	74,000	74,000	74,000

Operating Impacts

No Operating Impact

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Report Number: CBS002

Date Run: 9/10/2018 10:00AM

Project Number: 40000151

Project Title: 2019-21 State Match- Water Pollution Control Revolving Program

Description

Starting Fiscal Year: 2020

Project Class: Grant - Pass Through

Agency Priority: 19

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 Clean Water State Revolving Fund (SRF), 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 \$12 million from the State Taxable Building Construction Account (STBCA) for the 20 percent state match to the \$60 million 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. (STBCA)

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 \$1.9 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:

- \$12 million from STBCA for state match for new federal capitalization grants.

Note: This request is related to Ecology's 2019-21 Capital Request for \$216 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 grants that 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.
- 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.

Capital Project Request

2019-21 Biennium

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Description

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*
- Chapter 173-240 WAC, *Submission of Plans and Reports for Construction of Wastewater Facilities*
- Chapter 90.46 RCW, *Reclaimed Water Use*
- Administrative Requirements for Recipients of Ecology Grants and Loans (Yellow Book)
- *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 a consent decree, compliance order, Total Maximum Daily Load (TMDL), or waste load allocation.
- Restoring and protecting designated uses of Washington's waters, such as drinking water, aquatic habitat, and shellfish harvesting.

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.

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 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 \$60 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.

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

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Project Number: 40000151

Project Title: 2019-21 State Match- Water Pollution Control Revolving Program

Description**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 (EPA), authorized by Congress in the federal budget process (match is required for these new dollars).
- State match (20 percent) – required under the federal Clean Water Act of 1987 – transferred into the fund from the State Taxable Building Construction Account.
- 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 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 Ecology's strategic priorities to Deliver Integrated Water Solutions and Protect and Restore Puget Sound because it continues funding projects for water pollution control infrastructure and projects that reduce nonpoint pollution and nutrient discharges.

This request also supports Ecology's strategic priority to Reduce and Prepare for Climate Impacts because CWSRF funded projects often help communities prepare for climate impacts and are integrated with climate resiliency and long-term sustainability practices. For example, reclaimed water and water reuse facilities help small communities be resilient and sustainable in water-short areas so that stream buffers and native vegetation are increased to help address stream flow dynamics, temperature impacts, and carbon sequestration, in addition to improving water quality.

This request provides essential support to the Governor's Results Washington Goal 3: Sustainable Energy and a Clean Environment by providing loans for high-priority water quality projects statewide so that CWSRF loan projects can reduce pollution of our lakes, rivers, streams, marine waters, estuaries, and groundwater so that local communities can help protect public health and the environment.

It also supports 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.

This request supports Puget Sound Action Agenda implementation through Near Term Action 2018-0444, 2018-0445, 2018-0448, 2018-0450, 2018-0473, 2018-0655, 2018-0887, and 2018-0943. This request supports Strategy 10 - Use a comprehensive approach to manage urban stormwater runoff at the site and landscape scales by providing funding to local governments through the CWSRF program and directly supports these sub-strategies:

- 10.1 - Manage urban runoff at the basin and watershed scale by providing financial assistance for basin and watershed planning focused on stormwater management and nonpoint source pollution identification and control.

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Description

- 11.1 - Targeting voluntary and incentive-base programs that help working farms contribute to Puget Sound Recovery.
- 13.3 - Improving and expanding funding for small and local Onsite Sewage Systems (OSS) Programs.

This request also supports following Vital Sign Regional Priorities:

- LDC3.3 - Implement integrated strategies and policies to protect and restore ecologically important lands.
- BIBI3.1 - Facilitate the increased use or performance of best management practices in working/rural lands.
- TIF1.1 - Enhance pollutant reduction programs, corrective measures and increase authorities and programs to prevent toxic chemicals from entering Puget Sound.
- SHELL1.4 - Promote voluntary and incentive-based programs that help working farms contribute to Puget Sound recovery.
- BIBI5.1 - Conduct watershed-scale planning to protect and restore water quality.
- CHIN2.5 - Establish and enforce water quantity and quality standards that protect, conserve, and restore water resources for salmon.

Also, this request supports efforts under the Governor’s Executive Order 18-02, Southern Resident Killer Whale Recovery, through funding projects that reduce toxic pollutant migration to Puget Sound.

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

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 currently working 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 effort, in conjunction with ongoing CWSRF funding, supports improved statewide financial assistance and water quality project outcomes and also allows Washington 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

Note: Federal and state regulations require match funding be deposited directly into the WPCRA. The following proviso language is the mechanism for that: \$12 million of the appropriation must be transferred to the Water Pollution Control Revolving Account.

Project Type

Grants

Capital Project Request

2019-21 Biennium

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Report Number: CBS002

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Project Number: 40000151

Project Title: 2019-21 State Match- Water Pollution Control Revolving Program

Description

Grant Recipient Organization: Public entities, local gov'ts, special purpose districts, 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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
355-1	St. Bld Const Acct-State	60,000,000				12,000,000
	Total	60,000,000	0	0	0	12,000,000
Future Fiscal Periods						
		2021-23	2023-25	2025-27	2027-29	
355-1	St. Bld Const Acct-State	12,000,000	12,000,000	12,000,000	12,000,000	
	Total	12,000,000	12,000,000	12,000,000	12,000,000	

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 2020 Water Quality Financial Assistance Funding Guidelines <https://fortress.wa.gov/ecy/publications/SummaryPages/1810030.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 2018) 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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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 9:46AM

Project Number: 40000146

Project Title: 2015 Drought Authority

Description

Starting Fiscal Year: 2020

Project Class: Grant - Pass Through

Agency Priority: 28

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 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**What is the proposed project?**

Ecology is requesting \$669,000 in appropriation to spend fees paid by emergency well users during the 2015 drought that were deposited into the State Drought Preparedness Account. These dollars will match statewide drought funding already within Ecology reappropriations in the capital budget. Ecology, emergency well users, and the Yakama Nation agreed to authorize emergency water wells with the expectation that mitigation water be acquired at a later date when prices normalize and drought conditions pass. Ecology established a 50/50 cost share (state funding and local fees) for the acquisition of mitigation water. Ecology will use reappropriation funding from the State Drought Preparedness Account through project 92000142 to meet the state's cost share requirement.

Ecology will use \$200,000 from these funds to implement Phase II of the Kennewick Reclamation District (KRD) North Branch Canal lining and water conservation project. Through this project, the conserved water will be returned to benefit instream flows. Ecology and stakeholders are continuing to develop other water acquisition projects to fully use the 2015 emergency well drought fees to address the water mitigation agreement between Ecology and the Yakama Nation.

What opportunity or problem is driving this request?

During the 2015 drought, the challenges in managing water resources and local supply were many. Adequate water supply for communities, agriculture, and fish and wildlife was limited and, in some cases, crops died, streams lost flow, and aquatic species died. As drought deepened, Ecology authorized (in cooperation with the Yakama Nation) the use of emergency groundwater wells in exchange for future instream flow mitigation.

Due to the extraordinary cost of obtaining mitigation water during drought conditions, as well as the unwillingness of water right owners to part with limited supply during a drought, Ecology was not able to obtain mitigation water in the 2015-17 or 2017-19 biennia. Recently, Ecology and the KRD identified the North Branch Canal project as one that will provide mitigation water to benefit instream flows. Ecology has negotiated an agreement with KRD to implement this project in 2019-21. Ecology anticipates identifying other projects over the next two years that will also mitigate water use from the 2015 drought.

What are the specific benefits of this project?

The unused water remains in the stream to boost instream flows to benefit fish passage, other aquatic resources, and habitat. Some projects will provide a long-term net benefit to instream flows that will help mitigate future drought conditions.

What are the effects of non-funding?

If funds are not appropriated for the 2019-21 Biennium, Ecology would not be able to fulfill the agreement with the Yakama Nation to provide mitigation water to improve instream flows in exchange for authorization by local water users to use emergency wells. Without the acquisition of additional mitigation water, Ecology would not improve instream flows for the

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Project Number: 40000146

Project Title: 2015 Drought Authority

Description

benefit of fish and wildlife.

Why is this the best option or alternative?

Acquisition of mitigation water was agreed to by the Yakama Nation and Ecology in exchange for local entities being allowed to use emergency wells (groundwater) during the 2015 drought. This request will fulfill that commitment.

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

This request will allow Yakima Basin mitigation projects to continue, which expands the portfolio of water available for the instream flow needs for fish.

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

Ecology is requesting capital appropriation from the balance in the Drought Preparedness Account for fees collected in 2015 for this purpose. Capital funding will allow Ecology to direct the revenue to instream flow projects, and reappropriate the funds in future biennia if needed.

Are FTEs required to support this project?

None.

How does the project support the agency and statewide results?

This request is essential to implementing a priority in Ecology's strategic plan to Develop Integrated Water Solutions, and the Governor's Results Washington Goal 3: Sustainable Energy and a Clean Environment because increasing the amount of water instream helps to meet economic and community needs for reliable water supplies, while protecting and enhancing river flows for fish so that:

- Fish and wildlife species are more likely to maintain healthy populations from higher water levels (enough water to live and reproduce.)
- Water temperatures are reduced (enough cool water to better disperse heat.)
- Habitats are improved (food chain is maintained so they can find food to eat, shading from trees and plants is improved so the temperatures do not get too high, spawning grounds are available with the right size of gravel, etc.)
- Water is available to irrigate crops and develop agricultural infrastructure in the Columbia Basin.

This request supports the Governor's priorities related to Economy and Agriculture: Protect and manage scarce resources and enable more efficient movement of time-sensitive agricultural goods through policy actions and infrastructure development.

This request will also strengthen long-term strategic relationships with agriculture, industrial, municipal, and tribal communities in Eastern Washington.

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

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. This request will support improvement of instream flows supported by that agency.

What is the impact on the state operating budget?

None.

Proviso

N/A

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

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Project Number: 40000146

Project Title: 2015 Drought Authority

Description

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
05W-1	State Drought Prep-State	669,000				669,000
	Total	669,000	0	0	0	669,000
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
05W-1	State Drought Prep-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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**Department of Ecology
2019-2029 Capital Budget**

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Capital Project Request

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Report Number: CBS002

Date Run: 9/10/2018 9:34AM

Project Number: 40000130

Project Title: 2019-21 Clean Up Toxics Sites – Puget Sound

Description

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 14

Project Summary

A significant source of pollution to Puget Sound is contaminated sites around the basin and its shorelines. For more than ten years, 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 \$10.5 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. (State Building Construction Account)

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

As of June 2018, Ecology has identified about 250 contaminated sites awaiting cleanup, and roughly 670 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.

One site included in this request is the Lower Duwamish Waterway, an active five-mile stretch of an industrial waterway along the Green River that flows into Elliott Bay in Seattle. Historic industrial and residential activities resulted in soil, groundwater, surface water, and sediment with elevated concentrations of contaminants that pose a risk to human health, aquatic life, and the environment.

Multiple interim actions have been implemented to remove contaminated soil and sediment throughout the site. Additional funds are needed to complete source tracing and adequate source control so in-water cleanup can proceed. Pilot cleanup studies, the design, and cleanup construction for the remaining areas of the site need to be completed. This work will protect human health and the environment from harm. The 2017-19 Legislature did not provide funding to fulfill the state's legal obligation in the Lower Duwamish to protect cleanup investments being made by the federal government, King County, and the cities participating in the cleanup. This request will provide the critical funding needed for this work.

Attached is a prioritized list of projects that will be funded with this request, in addition to the Lower Duwamish Waterway. 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 by 2020.

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 either from exposure to contaminated soil, contaminated groundwater, and drinking water, or contaminated marine water and sediment. These exposures pose human health risks from consuming fish and shellfish, toxic vapors, or a combination of the above.

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Description

2. Remedial Investigation: Remedial investigations define the nature, extent, and magnitude of contamination on all projects.
3. Feasibility Study: Feasibility studies are conducted on all projects and include alternative analysis, cost-benefit analysis, long-term or life-cycle cost analysis, and cleanup technology preferences.
4. Cleanup Action Plan: Information from the remedial investigation and feasibility study are included in a cleanup action plan that describes cleanup standards, methods, 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. At this phase, projects are ready to proceed; they are in construction, they have permits or are in the permitting process, their design is complete or underway, or they 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.170). 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 regulatory process use (formal 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.

Ecology used authority in the past two biennial capital budgets to guide project priority. 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.

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.

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Project Title: 2019-21 Clean Up Toxics Sites – Puget Sound

Description

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:

- 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 61 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 three 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. It has traditionally received MTCA funding. Revenue projections for the MTCA accounts in the 2019-21 Biennium are not enough to support new capital projects, so Ecology is requesting State Building Construction Account (SBCA) funding to support this important work in 2019-21. Funding with bonds 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 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 funding. The Hazardous Substance Tax (HST) is the primary revenue source for MTCA, and taxes are collected on the first possession of certain hazardous substances (taxed at 7/10 of one percent of the value of the product). Petroleum makes up about 90 percent of the revenue collected with the HST. According to the Office of Financial Management, the HST is Washington's most volatile tax (*Table 2: Average Annual Percentage of Change of Washington Major Tax Sources (p.8), Office of Financial Management, Washington State Model Toxics Control Act Accounts; November 2016.*)

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 9:34AM

Project Number: 40000130

Project Title: 2019-21 Clean Up Toxics Sites – Puget Sound

Description

The price of crude oil began dropping after the summer of 2014, which resulted in a correlated and significant decrease in HST revenue. Prior to the downward plunge in oil prices, MTCA revenue collections were around \$200 million a year from 2012 through 2014. Collections dropped to \$113 million in 2016, and \$124 million in 2017. MTCA fund balances have not been able to support the demand for toxic site cleanups over the last two biennia, and even with the \$60 million in bond backfill funding provided in 2017-19, there will still be a funding gap next biennium.

MTCA funding is now used in operating and capital budgets at 11 state agencies, and its use has greatly expanded over time. While HST revenue collections are projected to be \$159 million a year in 2019-21, with the operating budget carryforward and capital reappropriation demands next biennium, projected MTCA fund balances are insufficient to meet new cleanup needs.

With the limited MTCA capacity available next biennium, Ecology is requesting \$10,225,000 from the State Building Construction Account for 2019-21 cleanup projects. Ecology is also requesting \$250,000 from the State Toxics Control Account to update the MTCA Cleanup Rule. The Toxics Cleanup Program (TCP) is planning a series of rulemakings over the next ten years to update the rules, the first full review since 2001. To elicit ideas and comment from a broad range of stakeholders and tribes, TCP is initiating an intensive Stakeholder Advisory Group process supported by skilled, neutral environmental facilitators working under contract with Ecology. Next biennium, rulemaking will focus on the MTCA Cleanup Standards, which define cleanup levels, points of compliance, regulatory requirements and decision processes that lead to safe and useful sites. Updates to the standards will enhance the consistency, efficiency and effectiveness of cleanups at more than 5,000 contaminated sites remaining in Washington, including almost 800 sites within 2,000 feet of Puget Sound. These cleanups – and the updated rules that will guide them – are critical to the future environmental health and economic vitality of Washington.

In addition to the MTCA revenue shortfalls, the pressure on operating funds during the Great Recession resulted in multiple fund shifts. Enacted budgets permanently shifted \$75 million of General Fund-State (GF-State) work in state agencies' operating budgets to MTCA accounts. Although these fund shifts preserved some core environmental work, they also further eroded MTCA funding capacity for toxics work.

Ecology has a separate operating request to restore \$64 million GF-State that was shifted to MTCA accounts in Ecology's budget. Shifting the funding back to GF-State will free up MTCA dollars for additional capital investments.

Are FTEs required to support this project?

No.

How does the project support the agency and statewide results?

This project is essential to implementing a priority in Ecology's strategic plan by supporting the priority to Prevent and Reduce Toxic Threats. 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 budget and economic priorities by investing funds to protect public health and natural resources. This request will also support 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. Specifically:

Goal 3: Sustainable Energy and a Clean Environment, Goal Topic: Clean and Restored Environment /Sub-Topic: / Healthy Lands

Outcome Measure 3.1 – Increase the number of contaminated sites cleaned up by 17 percent from 5,815 to 6,803 by 2020.

Leading Indicator 3.1.a – Increase number of contaminated brownfield sites returned to economically productive use from 476 to 1,090 by 2020.

This work also supports Goal 2, Prosperous Economy, by creating and supporting jobs and making it possible to redevelop

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Date Run: 9/10/2018 9:34AM

Project Number: 40000130

Project Title: 2019-21 Clean Up Toxics Sites – Puget Sound

Description

previously contaminated land to support economic growth in communities.

This request also supports Puget Sound Action Agenda implementation through the following strategies:

· 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; and Sub-strategy Regional Priority 10.3-2: Provide Infrastructure and Incentives to Accommodate Redevelopment Within Designated Urban Centers in Urban Growth Areas. This request relates to the Puget Sound Action Agenda sub-strategy and regional priority by cleaning up previously contaminated sites so they can be redeveloped, which promotes revitalization and economic growth in urban areas.

· Strategy 21: Address and Clean Up Cumulative Water Pollution Impacts in Puget Sound; and Sub-strategy 21.2: Clean Up Contaminated Sites Within and Near Puget Sound. This request relates to the Puget Sound Action Agenda strategy and sub-strategy 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.

This request also supports Vital Sign Regional Priorities:

· TIF1.1 Enhance pollutant reduction programs, corrective measures and increase authorities and programs to prevent toxic chemicals from entering Puget Sound.

· TIF3.1 Provide infrastructure and incentives to accommodate new development and re-development within designated urban centers in Urban Growth Areas (UGA).

· CHIN2.6 Incentivize and accelerate stormwater management for new and existing development.

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

461 - Department of Ecology
Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 9:34AM

Project Number: 40000130

Project Title: 2019-21 Clean Up Toxics Sites – Puget Sound

Description

Grant Recipient Organization: N/A

RCW that establishes grant: N/A

Application process used

N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriates	New Appropriates
057-1	State Bldg Constr-State	50,225,000				10,225,000
173-1	State Toxics Control-State	250,000				250,000
	Total	50,475,000	0	0	0	10,475,000

		Future Fiscal Periods			
		2021-23	2023-25	2025-27	2027-29
057-1	State Bldg Constr-State	10,000,000	10,000,000	10,000,000	10,000,000
173-1	State Toxics Control-State				
	Total	10,000,000	10,000,000	10,000,000	10,000,000

Operating Impacts

No Operating Impact

SubProjects

SubProject Number: 40000131

SubProject Title: Lower Duwamish Waterway Source Control and Cleanup

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 9:34AM

Project Number: 40000130

Project Title: 2019-21 Clean Up Toxics Sites – Puget Sound

SubProjects

SubProject Number: 40000131

SubProject Title: Lower Duwamish Waterway Source Control and Cleanup

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 14

Project Summary

A significant source of pollution to Puget Sound is contaminated sites around the basin and its shorelines. For more than ten years, 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 \$10.5 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. (State Building Construction Account)

Project Description

Ecology is responsible to oversee sources of contamination on over 20,000 acres of land and over 220 contaminated sites along 5.5 miles of Lower Duwamish Waterway. Funding is necessary to trace contamination back to its sources. Remediation is required to address cleanup at orphan and abandoned sites. This cleanup includes multiple aspects such as technical assistance and documenting required action (Source Control Status Report, Source Control Implementation Plan, database management, etc.); contractor support for individual agreed order sites; and public involvement support and other critical actions.

Proviso

N/A

Location

City: Seattle

County: King

Legislative District: 034

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	3,000,000				3,000,000
	Total	3,000,000	0	0	0	3,000,000

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Report Number: CBS002

Date Run: 9/10/2018 9:34AM

Project Number: 40000130

Project Title: 2019-21 Clean Up Toxics Sites – Puget Sound

SubProjects

SubProject Number: 40000131

SubProject Title: Lower Duwamish Waterway Source Control and Cleanup

	Future Fiscal Periods			
	2021-23	2023-25	2025-27	2027-29
057-1 State Bldg Constr-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000132

SubProject Title: Circle K Station 1461

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 14

Project Summary

A significant source of pollution to Puget Sound is contaminated sites around the basin and its shorelines. For more than ten years, 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 \$10.5 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. (State Building Construction Account)

Project Description

A consent decree requires Ecology to cleanup contaminated soil and groundwater from this former gas station. A petroleum plume has extended off-property beneath adjacent streets and residential property. Ecology has staged this project to implement the Cleanup Action Plan (CAP) to remove and treat petroleum contamination. The Site Remedial Investigation and Feasibility Study are completed. The draft CAP is prepared for implementation.

Proviso

N/A

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Grants

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Capital Project Request

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Report Number: CBS002

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Project Number: 40000130

Project Title: 2019-21 Clean Up Toxics Sites – Puget Sound

SubProjects

SubProject Number: 40000132

SubProject Title: Circle K Station 1461

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	2,500,000				2,500,000
	Total	2,500,000	0	0	0	2,500,000
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

SubProject Number: 40000133

SubProject Title: Everett Lowland Areas and Upland Port of Everett Remediation

Capital Project Request

2019-21 Biennium

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Date Run: 9/10/2018 9:34AM

Project Number: 40000130

Project Title: 2019-21 Clean Up Toxics Sites – Puget Sound

SubProjects

SubProject Number: 40000133

SubProject Title: Everett Lowland Areas and Upland Port of Everett Remediation

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 14

Project Summary

A significant source of pollution to Puget Sound is contaminated sites around the basin and its shorelines. For more than ten years, 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 \$10.5 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. (State Building Construction Account)

Project Description

The ASARCO Everett Smelter cleanup project includes more than 700 properties in North Everett. Additional funds are needed to complete cleanup studies and construction for the remaining areas not funded by the Cleanup Settlement Account. 500 properties have been sampled and 300 residential properties have been cleaned up. Vulnerable populations for this project are children who come in frequent contact with the arsenic in the soil. There is significant community interest in cleanup. Ecology is working to protect surface water quality in the Snohomish River, particularly as it impacts salmon migration. The cleanup activities will prevent contaminated groundwater from entering the river. Ecology continues to work with the City of Everett and property owners to clean up the rest of the properties impacted by the former smelter. The contamination may pose long-term health risks to the Everett community.

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	Expenditures			2019-21 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	3,200,000				3,200,000
	Total	3,200,000	0	0	0	3,200,000

Capital Project Request

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Report Number: CBS002

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Project Number: 40000130

Project Title: 2019-21 Clean Up Toxics Sites – Puget Sound

SubProjects

SubProject Number: 40000133

SubProject Title: Everett Lowland Areas and Upland Port of Everett Remediation

		Future Fiscal Periods			
		2021-23	2023-25	2025-27	2027-29
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000134

SubProject Title: Aladdin Plating

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 14

Project Summary

A significant source of pollution to Puget Sound is contaminated sites around the basin and its shorelines. For more than ten years, 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 \$10.5 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. (State Building Construction Account)

Project Description

Aladdin Plating was a chromium plating facility that had releases of chromium to soil and groundwater. This project would implement the cleanup action plan and complete cleanup of the Aladdin Plating site by excavating remaining soil contaminated with chromium.

Proviso

N/A

Location

City: Tacoma

County: Pierce

Legislative District: 027

Project Type

Grants

461 - Department of Ecology
Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 9:34AM

Project Number: 40000130

Project Title: 2019-21 Clean Up Toxics Sites – Puget Sound

SubProjects

SubProject Number: 40000134

SubProject Title: Aladdin Plating

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	10,000				10,000
	Total	10,000	0	0	0	10,000
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

SubProject Number: 40000135

SubProject Title: Port Angeles Harbor (Rayonier Mill & Western Post Angeles Harbor)

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 9:34AM

Project Number: 40000130

Project Title: 2019-21 Clean Up Toxics Sites – Puget Sound

SubProjects

SubProject Number: 40000135

SubProject Title: Port Angeles Harbor (Rayonier Mill & Western Post Angeles Harbor)

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 14

Project Summary

A significant source of pollution to Puget Sound is contaminated sites around the basin and its shorelines. For more than ten years, 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 \$10.5 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. (State Building Construction Account)

Project Description

In 2008, Ecology launched an investigation of Port Angeles Harbor through the Puget Sound Initiative. The investigation found many types of pollutants that may pose a threat to human health and the environment, including fisheries and shellfish beds. Historic timber industry facilities (plywood, lumber, pulp, paper mills) contaminated the sediments with dioxins, polychlorinated biphenyls (PCBs), carcinogenic polyaromatic hydrocarbons (cPAHs), and metals. Before active sediment cleanup can begin, the project must identify and control any active contamination sources to Port Angeles Harbor. This prevents recontamination of the sediments after cleanup. Additionally this project will examine cleanup options for the Western Port Angeles Harbor.

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			2019-21 Fiscal Period	
		Estimated Total	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

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 9:34AM

Project Number: 40000130

Project Title: 2019-21 Clean Up Toxics Sites – Puget Sound

SubProjects

SubProject Number: 40000135

SubProject Title: Port Angeles Harbor (Rayonier Mill & Western Post Angeles Harbor)

	Future Fiscal Periods			
	2021-23	2023-25	2025-27	2027-29
057-1 State Bldg Constr-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000136

SubProject Title: Required Public Involvement/ Tribal Engagement for Headquarters C

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 14

Project Summary

A significant source of pollution to Puget Sound is contaminated sites around the basin and its shorelines. For more than ten years, 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 \$10.5 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. (State Building Construction Account)

Project Description

Provides essential and required tribal and public involvement and outreach. Public notice and participation is an integral part of the cleanup remedy selection process. The public notice and participation requirements for cleanups conducted by Ecology or conducted by a potentially liable person under an order or decree are described in rule (WAC 173-340-600).

Proviso

N/A

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Grants

461 - Department of Ecology
Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 9:34AM

Project Number: 40000130

Project Title: 2019-21 Clean Up Toxics Sites – Puget Sound

SubProjects

SubProject Number: 40000136

SubProject Title: Required Public Involvement/ Tribal Engagement for Headquarters C

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	200,000				200,000
	Total	200,000	0	0	0	200,000
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State	0	0	0	0	
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

SubProject Number: 40000137

SubProject Title: Cleanup Rule Decision Support Services

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 9:34AM

Project Number: 40000130

Project Title: 2019-21 Clean Up Toxics Sites – Puget Sound

SubProjects

SubProject Number: 40000137

SubProject Title: Cleanup Rule Decision Support Services

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 14

Project Summary

A significant source of pollution to Puget Sound is contaminated sites around the basin and its shorelines. For more than ten years, 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 \$10.5 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. (State Building Construction Account)

Project Description

Ecology's Toxics Cleanup Program (TCP) is planning a series of three rulemakings over the next ten years to update the Model Toxics Control Act (MTCA) Cleanup Rule. Based on Ecology's knowledge since the last rule update in 2001, the necessary rule changes will enhance the Agency's ability to conduct and oversee the cleanup of more than 5,000 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.

Funding for Cleanup Rule Decision Support Services will help MTCA stakeholders and tribes provide effective comment and recommendations during the update process. Funded contracts for environmental planning and facilitation services will help TCP staff: (a) recruit and facilitate a stakeholders' advisory group to meet periodically during periods of rule development; and, (b) communicate with stakeholders and tribes in writing, on the internet, and through public meetings, webinars and hearings during the first two rulemakings.

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

Capital Project Request

2019-21 Biennium

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Project Number: 40000130

Project Title: 2019-21 Clean Up Toxics Sites – Puget Sound

SubProjects

SubProject Number: 40000137

SubProject Title: Cleanup Rule Decision Support Services

Funding

Acct Code	Account Title	Expenditures			2019-21 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reappropriations	New Appropriations
173-1	State Toxics Control-State	250,000				250,000
	Total	250,000	0	0	0	250,000

Future Fiscal Periods

	2021-23	2023-25	2025-27	2027-29
173-1 State Toxics Control-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000138

SubProject Title: Jeld-Wen

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 14

Project Summary

A significant source of pollution to Puget Sound is contaminated sites around the basin and its shorelines. For more than ten years, 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 \$10.5 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. (State Building Construction Account)

Project Description

Funding for Ecology to develop the cleanup action plan and State Environmental Policy Act (SEPA) evaluation.

Proviso

N/A

Location

City: Everett

County: Snohomish

Legislative District: 038

Project Type

Grants

461 - Department of Ecology
Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 9:34AM

Project Number: 40000130

Project Title: 2019-21 Clean Up Toxics Sites – Puget Sound

SubProjects

SubProject Number: 40000138

SubProject Title: Jeld-Wen

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	100,000				100,000
	Total	100,000	0	0	0	100,000
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

SubProject Number: 40000139

SubProject Title: Freshwater Natural Background

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 9:34AM

Project Number: 40000130

Project Title: 2019-21 Clean Up Toxics Sites – Puget Sound

SubProjects

SubProject Number: 40000139

SubProject Title: Freshwater Natural Background

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 14

Project Summary

A significant source of pollution to Puget Sound is contaminated sites around the basin and its shorelines. For more than ten years, 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 \$10.5 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. (State Building Construction Account)

Project Description

Establishing freshwater sediment natural background values for key chemicals will contribute to getting 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 Ecology uses to clean up contaminated sediment. For marine sediment cleanup sites in Puget Sound, the Agency has relied on the work its done to establish natural and regional background to effectively move cleanup work forward. 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 would be completed in three phases which includes:

1. An analysis of existing freshwater data to understand data gaps which will inform development of the sampling plan,
2. Development of a sampling plan for different freshwater geographic regions in the state, and
3. Field sampling, data analysis and evaluation, and development of a technical report.

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

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 9:34AM

Project Number: 40000130

Project Title: 2019-21 Clean Up Toxics Sites – Puget Sound

SubProjects

SubProject Number: 40000139

SubProject Title: Freshwater Natural Background

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	240,000				240,000
	Total	240,000	0	0	0	240,000

Future Fiscal Periods

	Future Fiscal Periods			
	2021-23	2023-25	2025-27	2027-29
057-1 State Bldg Constr-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000140

SubProject Title: Bremerton Naval Complex NRDA

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 14

Project Summary

A significant source of pollution to Puget Sound is contaminated sites around the basin and its shorelines. For more than ten years, 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 \$10.5 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. (State Building Construction Account)

Project Description

Supports continued data collection and analysis; legal support and stakeholder engagement. This leverages exiting efforts that could result in a significant settlement.

Proviso

N/A

Location

City: Bremerton

County: Kitsap

Legislative District: 026

Project Type

Grants

461 - Department of Ecology
Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 9:34AM

Project Number: 40000130

Project Title: 2019-21 Clean Up Toxics Sites – Puget Sound

SubProjects

SubProject Number: 40000140

SubProject Title: Bremerton Naval Complex NRDA

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	200,000				200,000
	Total	200,000	0	0	0	200,000
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State	0	0	0	0	
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

SubProject Number: 40000141

SubProject Title: Budd Inlet Source Control & Cleanup

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 9:34AM

Project Number: 40000130

Project Title: 2019-21 Clean Up Toxics Sites – Puget Sound

SubProjects

SubProject Number: 40000141

SubProject Title: Budd Inlet Source Control & Cleanup

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 14

Project Summary

A significant source of pollution to Puget Sound is contaminated sites around the basin and its shorelines. For more than ten years, 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 \$10.5 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. (State Building Construction Account)

Project Description

In 2008, Ecology launched an investigation of Budd Inlet through the Puget Sound Initiative. Historic wood treating and timber-related industries along Budd Inlet caused sediment contamination. Primary contaminants of concern include dioxins and carcinogenic polyaromatic hydrocarbons (cPAHs). Before active sediment cleanup can begin, the project must identify and control any active contamination sources to Budd Inlet. This prevents recontamination of the sediments after cleanup. Additionally, this project will determine a regional background level of contamination for Budd Inlet and examine cleanup options.

Proviso

N/A

Location

City: Olympia

County: Thurston

Legislative District: 022

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	125,000				125,000
	Total	125,000	0	0	0	125,000

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 9:34AM

Project Number: 40000130

Project Title: 2019-21 Clean Up Toxics Sites – Puget Sound

SubProjects

SubProject Number: 40000141

SubProject Title: Budd Inlet Source Control & Cleanup

	Future Fiscal Periods			
	2021-23	2023-25	2025-27	2027-29
057-1 State Bldg Constr-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000142

SubProject Title: Gas Works Park

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 14

Project Summary

A significant source of pollution to Puget Sound is contaminated sites around the basin and its shorelines. For more than ten years, 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 \$10.5 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. (State Building Construction Account)

Project Description

Ground water monitoring plan and treatment work plan for Play Area was completed in 2017. Remedial Investigation (RI) and Feasibility Study (FS) is being prepared for upland and in-water sediment contamination. Groundwater arsenic treatment/removal system is being operated to remove contamination from public use areas. Funding would support the completion of the site RI/FS and preparation of the cleanup action plan.

Proviso

N/A

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Grants

461 - Department of Ecology
Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 9:34AM

Project Number: 40000130

Project Title: 2019-21 Clean Up Toxics Sites – Puget Sound

SubProjects

SubProject Number: 40000142

SubProject Title: Gas Works Park

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	300,000				300,000
	Total	300,000	0	0	0	300,000

Future Fiscal Periods

	2021-23	2023-25	2025-27	2027-29
057-1 State Bldg Constr-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 40000143

SubProject Title: Port Blakely - Baywide Sampling

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 9:34AM

Project Number: 40000130

Project Title: 2019-21 Clean Up Toxics Sites – Puget Sound

SubProjects

SubProject Number: 40000143

SubProject Title: Port Blakely - Baywide Sampling

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 14

Project Summary

A significant source of pollution to Puget Sound is contaminated sites around the basin and its shorelines. For more than ten years, 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 \$10.5 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. (State Building Construction Account)

Project Description

Allows baywide sediment study to determine nature and distribution of contaminants in the Bay. Results will be used to evaluate and recommend next steps in proceeding with cleanup of the site.

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	Expenditures			2019-21 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	100,000				100,000
	Total	100,000	0	0	0	100,000
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State	0	0	0	0	
	Total	0	0	0	0	

Operating Impacts

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 9:34AM

Project Number: 40000130

Project Title: 2019-21 Clean Up Toxics Sites – Puget Sound

SubProjects

SubProject Number: 40000143

SubProject Title: Port Blakely - Baywide Sampling

No Operating Impact

SubProject Number: 40000180

SubProject Title: Clean Up Toxics Sites – Puget Sound Ten-Year Financial Plan

Starting Fiscal Year: 2020

Project Class: Grant

Agency Priority: 14

Project Summary

A significant source of pollution to Puget Sound is contaminated sites around the basin and its shorelines. For more than ten years, 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 \$10.5 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. (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: 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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	40,000,000				
Total		40,000,000	0	0	0	0

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 9:34AM

Project Number: 40000130

Project Title: 2019-21 Clean Up Toxics Sites – Puget Sound

SubProjects

SubProject Number: 40000180

SubProject Title: Clean Up Toxics Sites – Puget Sound Ten-Year Financial Plan

		Future Fiscal Periods			
		2021-23	2023-25	2025-27	2027-29
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 2019-21 Biennium Budget Project List
Toxics Cleanup Program
2019-21 Clean Up Toxics Sites - Puget Sound

June 8, 2018



Purpose: This list provides project details about the 2019-21 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	Csid	Project	Project Description	Phase of Cleanup	Amount	Site Address	City	County	Leg. District	Lat.	Long.
1	1643	Lower Duwamish Waterway Source Control and Cleanup	Ecology is responsible to oversee sources of contamination on over 20,000 acres of land and over 220 contaminated sites along 5.5 miles of Lower Duwamish Waterway. Funding is necessary to trace contamination back to its sources. Remediation is required to address cleanup at orphan and abandoned sites. This cleanup includes multiple aspects such as technical assistance and documenting required action (Source Control Status Report, Source Control Implementation Plan, database management, etc.); contractor support for individual agreed order sites; and public involvement support and other critical actions.	Cleanup / Post Closure Monitoring	3,000,000	Lower Duwamish Waterway	Seattle	King	34	47.567	-122.348
2	5089	Circle K Station 1461	A consent decree requires Ecology to cleanup contaminated soil and groundwater from this former gas station. A petroleum plume has extended off-property beneath adjacent streets and residential property. Ecology has staged this project to implement the Cleanup Action Plan (CAP) to remove and treat petroleum contamination. The Site Remedial Investigation and Feasibility Study are completed. The draft CAP is prepared for implementation.	Cleanup / Post Closure Monitoring	2,500,000	2350 24th Avenue E	Seattle	King	43	47.640	-122.302
3	4298	Everett Lowland Areas and Upland Port of Everett Remediation	The ASARCO Everett Smelter cleanup project includes more than 700 properties in North Everett. Additional funds are needed to complete cleanup studies and construction for the remaining areas not funded by the Cleanup Settlement Account. 500 properties have been sampled and 300 residential properties have been cleaned up. Vulnerable populations for this project are children who come in frequent contact with the arsenic in the soil. There is significant community interest in cleanup. Ecology is working to protect surface water quality in the Snohomish River, particularly as it impacts salmon migration. The cleanup activities will prevent contaminated groundwater from entering the river. Ecology continues to work with the City of Everett and property owners to clean up the rest of the properties impacted by the former smelter. The contamination may pose long-term health risks to the Everett community.	Cleanup / Post Closure Monitoring	3,200,000	Sr 529 & E Marine View Drive	Everett	Snohomish	38	48.010	-122.192
4	3257	Aladdin Plating	Aladdin Plating was a chromium plating facility that had releases of chromium to soil and groundwater. This project would implement the cleanup action plan and complete cleanup of the Aladdin Plating site by excavating remaining soil contaminated with chromium.	Cleanup / Post Closure Monitoring	10,000	1657 Center Street	Tacoma	Pierce	27	47.234	-122.457

Rank	Csid	Project	Project Description	Phase of Cleanup	Amount	Site Address	City	County	Leg. District	Lat.	Long.
5	11907, 2270	Port Angeles Harbor (Rayonier Mill & Western Post Angeles Harbor)	In 2008, Ecology launched an investigation of Port Angeles Harbor through the Puget Sound Initiative. The investigation found many types of pollutants that may pose a threat to human health and the environment, including fisheries and shellfish beds. Historic timber industry facilities (plywood, lumber, pulp, paper mills) contaminated the sediments with dioxins, polychlorinated biphenyls (PCBs), carcinogenic polycyclic aromatic hydrocarbons (PAHs), and metals. Before active sediment cleanup can begin, the project must identify and control any active contamination sources to Port Angeles Harbor. This prevents recontamination of the sediments after cleanup. Additionally this project will examine cleanup options for the Western Port Angeles Harbor.	Cleanup Action Plan	250,000	Western Port Angeles Harbor	Port Angeles	Clallam	24	48.133	-123.454
6	N/A	Required Public Involvement/ Tribal Engagement for Headquarters Cleanup Section (HQCU)	Provides essential and required tribal and public involvement and outreach. Public notice and participation is an integral part of the cleanup remedy selection process. The public notice and participation requirements for cleanups conducted by Ecology or conducted by a potentially liable person under an order or decree are described in rule (WAC 173-340-600).	Policy Outreach & C/U Support	200,000	Puget Sound Wide	Puget Sound Wide	Puget Sound Wide	Puget Sound Wide	Puget Sound Wide	Puget Sound Wide
7	N/A	Cleanup Rule Decision Support Services (State Toxics Control Account funding)	Ecology's Toxics Cleanup Program (TCP) is planning a series of three rulemakings over the next ten years to update the Model Toxics Control Act (MTCA) Cleanup Rule. Based on Ecology's knowledge since the last rule update in 2001, the necessary rule changes will enhance the Agency's ability to conduct and oversee the cleanup of more than 5,000 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. Funding for Cleanup Rule Decision Support Services will help MTCA stakeholders and tribes provide effective comment and recommendations during the update process. Funded contracts for environmental planning and facilitation services will help TCP staff: (a) recruit and facilitate a stakeholders' advisory group to meet periodically during periods of rule development; and, (b) communicate with stakeholders and tribes in writing, on the internet, and through public meetings, webinars and hearings during the first two rulemakings.	Policy Outreach & C/U Support	250,000	Statewide	Statewide	Statewide	Statewide	Statewide	Statewide
8	4402	Jeld-Wen	Funding for Ecology to develop the cleanup action plan and State Environmental Policy Act (SEPA) evaluation.	Cleanup Action Plan	100,000	300 W Marine View Drive	Everett	Snohomish	38	48.016	-122.212

Rank	Csid	Project	Project Description	Phase of Cleanup	Amount	Site Address	City	County	Leg. District	Lat.	Long.
9	N/A	Freshwater Natural Background	Establishing freshwater sediment natural background values for key chemicals will contribute to getting 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 Ecology uses to clean up contaminated sediment. For marine sediment cleanup sites in Puget Sound, the Agency has relied on the work its done to establish natural and regional background to effectively move cleanup work forward. 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 would be completed in three phases which includes: 1. An analysis of existing freshwater data to understand data gaps which will inform development of the sampling plan, 2. Development of a sampling plan for different freshwater geographic regions in the state, and 3. Field sampling, data analysis and evaluation, and development of a technical report.	Policy Outreach & C/U Support	240,000	Statewide	Statewide	Statewide	Statewide	Statewide	Statewide
10	N/A	Bremerton Naval Complex NRDA	Supports continued data collection and analysis; legal support and stakeholder engagement. This leverages exiting efforts that could result in a significant settlement.	Cleanup / Post Closure Monitoring	200,000	1400 Farragut Avenue	Bremerton	Kitsap	26	47.567	-122.633
11	2245	Budd Inlet Source Control & Cleanup	In 2008, Ecology launched an investigation of Budd Inlet through the Puget Sound Initiative. Historic wood treating and timber-related industries along Budd Inlet caused sediment contamination. Primary contaminants of concern include dioxins and carcinogenic polycyclic aromatic hydrocarbons (cPAHs). Before active sediment cleanup can begin, the project must identify and control any active contamination sources to Budd Inlet. This prevents recontamination of the sediments after cleanup. Additionally, this project will determine a regional background level of contamination for Budd Inlet and examine cleanup options.	Feasibility Study	125,000	Budd Inlet	Olympia	Thurston	22	47.059	-122.907
12	2876	Gas Works Park	Ground water monitoring plan and treatment work plan for Play Area was completed in 2017. Remedial Investigation (RI) and Feasibility Study (FS) is being prepared for upland and in-water sediment contamination. Groundwater arsenic treatment/removal system is being operated to remove contamination from public use areas. Funding would support the completion of the site RI/FS and preparation of the cleanup action plan.	Cleanup Action Plan	300,000	2000 N Northlake Way	Seattle	King	43	47.646	-122.334
13	N/A	Port Blakely - Baywide Sampling	Allows baywide sediment study to determine nature and distribution of contaminants in the Bay. Results will be used to evaluate and recommend next steps in proceeding with cleanup of the site.	Remedial Investigation	100,000	Port Blakely Harbor	Bainbridge Island	Kitsap	23	47.596	-122.516
				Total 2019-21 Budget Request	10,475,000						
				State Building Construction Account Total	10,225,000						
				State Toxics Control Account (Cleanup Rule)	250,000						

**Department of Ecology
2019-2029 Capital Budget**

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 5:00PM

Project Number: 30000710

Project Title: Water Pollution Control Revolving Program

Description

Starting Fiscal Year: 2018
 Project Class: Grant - Pass Through
 Agency Priority: 33

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 Clean Water State Revolving Fund (SRF), established under chapter 90.50A RCW, implemented the loan program to provide low-interest loans to local governments, special purpose districts, and federally recognized tribes for high priority water quality projects statewide. Ecology requests reappropriation of 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. (Water Pollution Control Revolving Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

Proviso

None

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

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 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			50,000,000	
Total		210,000,000	0	0	210,000,000	0

Future Fiscal Periods

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 5:00PM

Project Number: 30000710

Project Title: Water Pollution Control Revolving Program

Funding

	<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>
727-1 Water Pollution Cont-State				
727-2 Water Pollution Cont-Federal				
Total	0	0	0	0

Operating Impacts

No Operating Impact

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 8:45AM

Project Number: 30000534

Project Title: Water Pollution Control Revolving Program

Description

Starting Fiscal Year: 2016
 Project Class: Grant - Pass Through
 Agency Priority: 34

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 State Revolving Fund (SRF), 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. (Water Pollution Control Revolving Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

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, 173.98 WAC

Application process used

Ecology manages an integrated funding approach using a joint application, evaluation, and rating and ranking process for the SRF, Centennial Clean Water Program, and the Clean Water Act Section 319 federal grant program. The application period begins on September 1 and continues through to the first Friday in November. Ecology staff screen, review, and rate and rank 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. Ecology develops a draft list for all three programs. The list 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: <https://fortress.wa.gov/ecy/publications/SummaryPages/1410033.html>

Growth Management impacts

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
727-1	Water Pollution Cont-State	153,000,000	13,329,000		139,671,000	
727-2	Water Pollution Cont-Federal	50,000,000		18,899,000	31,101,000	
	Total	203,000,000	13,329,000	18,899,000	170,772,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
727-1	Water Pollution Cont-State					
727-2	Water Pollution Cont-Federal					

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 8:45AM

Project Number: 30000534

Project Title: Water Pollution Control Revolving Program

Funding

Total	0	0	0	0
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Operating Impacts

No Operating Impact

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 1:41PM

Project Number: 40000018

Project Title: VW Settlement Funded Projects

Description

Starting Fiscal Year: 2018
 Project Class: Grant - Pass Through
 Agency Priority: 35

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 June 2018 Fiscal Month 12 Phase 1.

This project requires a total of 5.75 FTEs a year. These staff will administer the program, including soliciting applications, contracting with grant recipients, contracting with technology and service vendors, providing technical assistance, processing vendor/recipient payments, and closing grant awards. Staff will also finalize Washington's mitigation plan and provide program oversight including, developing award category guidelines, developing materials, outreach, and training to prospective applicants, trustee coordination, developing an award tracking system, 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

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
001-7	General Fund-Private/Local	112,700,000			112,700,000	
	Total	112,700,000	0	0	112,700,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
001-7	General Fund-Private/Local					
	Total	0	0	0	0	

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 1:41PM

Project Number: 40000018

Project Title: VW Settlement Funded Projects

Operating Impacts

No Operating Impact

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 10:42AM

Project Number: 40000006

Project Title: Catastrophic Flood Relief

Description

Starting Fiscal Year: 2018
 Project Class: Grant - Pass Through
 Agency Priority: 36

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. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

Project Type

Grants

Grant Recipient Organization: State, local, tribal, and community groups and consultants

RCW that establishes grant: None

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

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
001-2	General Fund-Federal	10,000,000			10,000,000	
057-1	State Bldg Constr-State	50,000,000		318,000	49,682,000	
	Total	60,000,000	0	318,000	59,682,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</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

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 12:25PM

Project Number: 92000076

Project Title: Storm Water Improvements

Description

Starting Fiscal Year: 2018

Project Class: Grant

Agency Priority: 37

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 June 2018 Fiscal Month 12 Phase 1.

Proviso

None

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Grants

Grant Recipient Organization: N/A

RCW that establishes grant: N/A

Application process used

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	60,000,000	2,184,000	11,304,000	46,512,000	
19G-1	ELS Account-State	37,000,000	34,715,000	2,285,000		
Total		97,000,000	36,899,000	13,589,000	46,512,000	0
Future Fiscal Periods						
		2021-23	2023-25	2025-27	2027-29	

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 12:25PM

Project Number: 92000076

Project Title: Storm Water Improvements

Funding

	Future Fiscal Periods			
	<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>
057-1 State Bldg Constr-State				
19G-1 ELS Account-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 9:32AM

Project Number: 30000458

Project Title: Remedial Action Grants

Description

Starting Fiscal Year: 2016

Project Class: Grant

Agency Priority: 38

Project Summary

Ecology manages the Remedial Action (RA) grant program to help local governments clean up contaminated sites in Washington state. Ecology is requesting reappropriation for this project to keep important work on schedule and in line with the original legislative budget assumptions. (State Building Construction Account and Local Toxics Control Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	20,000,000			20,000,000	
174-1	Local Toxics Control-State	32,747,000	9,132,000	6,475,000	17,140,000	
	Total	52,747,000	9,132,000	6,475,000	37,140,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State					
174-1	Local Toxics Control-State					
	Total	0	0	0	0	

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 9:32AM

Project Number: 30000458

Project Title: Remedial Action Grants

Operating Impacts

No Operating Impact

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 4:54PM

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

This request for reappropriation of Ecology’s Stormwater Financial Assistance Program (SFAP) will provide grants to public entities to finance stormwater retrofit projects that treat polluted stormwater in priority areas throughout the state. The SFAP will distribute funds to the highest priority projects through a competitive rating and ranking process to ensure projects provide good water quality value and address problems from existing urban development. The work accomplished by local governments will help reduce toxics and other pollution from entering our waterways and protect our marine waters, estuaries, lakes, rivers, and groundwater resources throughout the state. (State Building Construction Account and State Toxics Control Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

Proviso

None

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapps	New Approps
057-1	State Bldg Constr-State	25,000,000			25,000,000	
173-1	State Toxics Control-State	11,400,000			11,400,000	
	Total	36,400,000	0	0	36,400,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State					

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 4:54PM

Project Number: 30000796

Project Title: 2017-19 Stormwater Financial Assistance Program

Funding

	Future Fiscal Periods			
	<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>
173-1 State Toxics Control-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 3:11PM

Project Number: 30000706

Project Title: Floodplains by Design

Description

Starting Fiscal Year: 2018

Project Class: Grant

Agency Priority: 40

Project Summary

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. Ecology requests re-appropriation authority to continue seven grants for flood hazard protection and ecosystem restoration projects through the Floodplain by Design Program. This funding was originally appropriated in the 2017-19 Biennium Capital Budget. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

Proviso

None

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: None

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	35,464,000		75,000	35,389,000	
	Total	35,464,000	0	75,000	35,389,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 3:11PM

Project Number: 3000706

Project Title: Floodplains by Design

Operating Impacts

No Operating Impact

Capital Project Request

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 5:04PM

Project Number: 30000705

Project Title: 2017-19 Centennial Clean Water program

Description

Starting Fiscal Year: 2018
 Project Class: Grant - Pass Through
 Agency Priority: 41

Project Summary

This reappropriation request for Ecology's Centennial Clean Water Program (CCWP) 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 an integrated 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 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. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

Proviso

None

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

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	35,000,000		210,000	34,790,000	
	Total	35,000,000	0	210,000	34,790,000	0

Future Fiscal Periods

	2021-23	2023-25	2025-27	2027-29
057-1 State Bldg Constr-State				

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 5:04PM

Project Number: 30000705

Project Title: 2017-19 Centennial Clean Water program

Funding

Total	0	0	0	0
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Operating Impacts

No Operating Impact

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 2:01PM

Project Number: 30000712

Project Title: Columbia River Water Supply Development Program

Description

Starting Fiscal Year: 2018

Project Class: Grant

Agency Priority: 42

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 2019-21 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 June 2018 Fiscal Month 12 Phase 1.

Proviso

None

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Grants

Grant Recipient Organization: Local Entities

RCW that establishes grant: None

Application process used

Competitive grants to local entities for projects developed in cooperation with the Columbia River Basin Policy Advisory Group.

Growth Management impacts

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	19,550,000			19,550,000	
10P-1	Col River Water-State	12,250,000			12,250,000	
296-1	Col River Bas Wtr Su-State	2,000,000			2,000,000	
Total		33,800,000	0	0	33,800,000	0

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 2:01PM

Project Number: 30000712

Project Title: Columbia River Water Supply Development Program

Funding

	Future Fiscal Periods			
	<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>
057-1 State Bldg Constr-State				
10P-1 Col River Water-State				
296-1 Col River Bas Wtr Su-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

Capital Project Request

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 2:04PM

Project Number: 30000711

Project Title: Yakima River Basin Water Supply

Description

Starting Fiscal Year: 2018

Project Class: Grant

Agency Priority: 43

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 (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 (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 June 2018 Fiscal Month 12 Phase 1.

Proviso

No

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Grants

Grant Recipient Organization: Local Entities

RCW that establishes grant: Legislative Appropriation

Application process used

Competitive grants to local entities for projects developed in cooperation with the Yakima Basin Workgroup.

Growth Management impacts

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	31,100,000		407,000	30,693,000	
	Total	31,100,000	0	407,000	30,693,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State	0	0	0	0	
	Total	0	0	0	0	

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 2:04PM

Project Number: 30000711

Project Title: Yakima River Basin Water Supply

Operating Impacts

No Operating Impact

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 4:50PM

Project Number: 30000797

Project Title: 2015-17 Restored Stormwater Financial Assistance

Description

Starting Fiscal Year: 2018
 Project Class: Grant - Pass Through
 Agency Priority: 44

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. The SFAP distributes funds to the highest priority projects through a competitive rating and ranking process to ensure projects provide good water quality value and address problems from existing urban development. This request for reappropriation will help reduce toxics and other pollution from entering our waterways and protect our marine waters, estuaries, lakes, rivers, and groundwater resources throughout the state. (State Building Control Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

Proviso

None

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapps	New Approps
057-1	State Bldg Constr-State	30,100,000		22,000	30,078,000	
	Total	30,100,000	0	22,000	30,078,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State	0	0	0	0	
	Total	0	0	0	0	

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 4:50PM

Project Number: 3000797

Project Title: 2015-17 Restored Stormwater Financial Assistance

Operating Impacts

No Operating Impact

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 2:13PM

Project Number: 30000535

Project Title: Stormwater Financial Assistance Program

Description

Starting Fiscal Year: 2018

Project Class: Grant

Agency Priority: 45

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 the state. Ecology is requesting reappropriation for this project to continue important stormwater work and keep it in line with the original legislative budget assumptions. (Local Toxics Control Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

Proviso

None

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Grants

Grant Recipient Organization: N/A

RCW that establishes grant: N/A

Application process used

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
174-1	Local Toxics Control-State	31,200,000		2,164,000	29,036,000	
	Total	31,200,000	0	2,164,000	29,036,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
174-1	Local Toxics Control-State					

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 2:13PM

Project Number: 30000535

Project Title: Stormwater Financial Assistance Program

Funding

Total	0	0	0	0
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Operating Impacts

No Operating Impact

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 2:47PM

Project Number: 30000670

Project Title: ASARCO Cleanup

Description

Starting Fiscal Year: 2018

Project Class: Grant

Agency Priority: 46

Project Summary

Ecology requests reappropriation to continue cleanup work related to ASARCO smelter sites in Everett and Tacoma. ASARCO operated smelters in Everett and Tacoma that released arsenic, lead, and other contamination into the air. The pollution settled down to earth in Everett and in the Tacoma Smelter Plume. In Tacoma, the smelter operated from 1890 to 1986 and contaminated over 1,000 square miles in the lower Puget Sound. The Everett site operated from 1894 to 1912, and caused smaller scale contamination. This reappropriation 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 June 2018 Fiscal Month 12 Phase 1.

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

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
15H-1	Cleanup Set Acct-State	28,760,000			28,760,000	
	Total	28,760,000	0	0	28,760,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
15H-1	Cleanup Set Acct-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 3:05PM

Project Number: 40000109

Project Title: VW Air Quality Penalty Investment

Description

Starting Fiscal Year: 2018
 Project Class: Grant - Pass Through
 Agency Priority: 47

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 June 2018 Fiscal Month 12 Phase 1.

This project requires a total of 1.38 FTEs in FY 2020, for a biennial average of 0.69 FTE in 2019-21. These staff will administer the program, including developing and soliciting applications, contracting with grant recipients, contracting with technology and service vendors, providing technical assistance, processing vendor/recipient payments, and closing grant awards.

Project Type

Grants

Grant Recipient Organization: Various

RCW that establishes grant: None

Application process used

Ecology will solicit applications from transit authorities, school districts, and local and state governments.

Growth Management impacts

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
216-1	Air Pollution Ctl Ac-State	28,400,000			28,400,000	
	Total	28,400,000	0	0	28,400,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
216-1	Air Pollution Ctl Ac-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 10:52AM

Project Number: 30000537

Project Title: Floodplains by Design

Description

Starting Fiscal Year: 2016
 Project Class: Grant - Pass Through
 Agency Priority: 48

Project Summary

Ecology requests re-appropriation authority to finish spending on two remaining Floodplain by Design grants that began in the 2015-17 Biennium. The original appropriation funded seven grants for flood hazard protection projects. One of the agreements with Clallam county had a major delay when one of their partners, The U.S. Army Corps of Engineers, whom they had received a letter confirming their partnership, dropped out. They have since re-scoped their project and are making more progress. The other agreement with King County for the Cedar River experienced delays due to a conflict between recreational river users (rafters and kayakers) and the affected tribe over adding woody debris to the river system to improve habitat. They have since resolved the issue and the project is moving forward. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

Project Type

Grants

Grant Recipient Organization: Local gov, tribes, conservation/flood ctrl districts, non-profits, and salmon recovery lead entities

RCW that establishes grant: None

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	35,560,000	4,449,000	8,222,000	22,889,000	
	Total	35,560,000	4,449,000	8,222,000	22,889,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 10:12AM

Project Number: 30000216

Project Title: Remedial Action Grant Program

Description

Starting Fiscal Year: 2012
 Project Class: Grant - Pass Through
 Agency Priority: 49

Project Summary

Ecology received appropriations for Remedial Action Grant funds in the 2011-13 Biennium for funding toxic waste cleanup projects at local government sites. The requested reappropriation funding will support ongoing remedial action grants to clean up contaminated industrial sites that impact the air, land and water resources of the State. This grant funding protects public and environmental health, creates jobs and promotes economic development by allowing contaminated properties to be redeveloped. (Local Toxics Control Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

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

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
174-1	Local Toxics Control-State	62,864,000	41,138,000	1,372,000	20,354,000	
	Total	62,864,000	41,138,000	1,372,000	20,354,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
174-1	Local Toxics Control-State					
	Total	0	0	0	0	

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 10:12AM

Project Number: 30000216

Project Title: Remedial Action Grant Program

Operating Impacts

No Operating Impact

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 1:44PM

Project Number: 91000343

Project Title: Water Availability

Description

Starting Fiscal Year: 2018
 Project Class: Grant - Pass Through
 Agency Priority: 50

Project Summary

Ecology is requesting reappropriation authority 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 June 2018 Fiscal Month 12 Phase 1. The legislature provided an appropriation to this project of \$20 million in ESSB 6090 Section 3027. The project was subsequently amended in ESSB 6095 Section 3011 to proviso \$6.4 million, and the proviso was vetoed. Therefore, this reappropriation request is for the remaining appropriation of \$13.6 million net of expenditures through June 2018.

Proviso

N/A

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
366-1	Wtrshd Rst Enhnc Bnd-State	13,600,000		11,000	13,589,000	
	Total	13,600,000	0	11,000	13,589,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
366-1	Wtrshd Rst Enhnc Bnd-State	0	0	0	0	
	Total	0	0	0	0	

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Capital Project Request**

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 1:44PM

Project Number: 91000343

Project Title: Water Availability

Operating Impacts

No Operating Impact

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 9:36AM

Project Number: 30000374

Project Title: Remedial Action Grants

Description

Starting Fiscal Year: 2014
 Project Class: Grant - Pass Through
 Agency Priority: 51

Project Summary

Ecology manages the Remedial Action (RA) grant program to help local governments clean up contaminated sites in Washington State. The enacted 2013-15 Supplemental Capital Budget provided \$62.5 million Local Toxics Control Account (LTCA) appropriation for new RA grants. All of this funding has been granted to local grant recipients, and cleanup projects supported by it have been underway for at least three years. Ecology is requesting reappropriation for this project to continue important cleanup work and keep it in line with the original legislative budget assumptions. (Local Toxics Control Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
174-1	Local Toxics Control-State	62,537,000	40,050,000	10,854,000	11,633,000	
	Total	62,537,000	40,050,000	10,854,000	11,633,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
174-1	Local Toxics Control-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 8:49AM

Project Number: 30000427

Project Title: Centennial Clean Water Program

Description

Starting Fiscal Year: 2016
 Project Class: Grant - Pass Through
 Agency Priority: 52

Project Summary

The requested reappropriation for Ecology's Centennial Clean Water Program (CCWP) will provide funds for grants and loans to public bodies for financing planning, implementation, design, acquisition, and construction of water pollution control facilities and non-point source pollution control. Ecology uses these funds primarily for grants, which are distributed through a statewide competitive rating and ranking prioritization process. Ecology provides funding to address the highest priority statewide water quality needs including projects for small communities that are financially distressed, and to address water quality problems associated with urban and rural activities. (State Building Construction Account and Local Toxics Control Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

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>.

Growth Management impacts

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	12,500,000	6,395,000	3,538,000	2,567,000	
174-1	Local Toxics Control-State	10,000,000	570,000	1,552,000	7,878,000	
	Total	22,500,000	6,965,000	5,090,000	10,445,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State					
174-1	Local Toxics Control-State					
	Total	0	0	0	0	

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 8:49AM

Project Number: 30000427

Project Title: Centennial Clean Water Program

Operating Impacts

No Operating Impact

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 10:03AM

Project Number: 30000536

Project Title: Coastal Wetlands Federal Funds

Description

Starting Fiscal Year: 2016
 Project Class: Grant - Pass Through
 Agency Priority: 53

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 June 2018 Fiscal Month 12 Phase 1.

Project Type

Grants

Grant Recipient Organization: Unknown until grant awards are made.

RCW that establishes grant: None

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
001-2	General Fund-Federal	10,000,000			10,000,000	
	Total	10,000,000	0	0	10,000,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
001-2	General Fund-Federal					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 10:45AM

Project Number: 92000078

Project Title: Floodplain Management and Control Grants

Description

Starting Fiscal Year: 2014
 Project Class: Grant - Pass Through
 Agency Priority: 54

Project Summary

Ecology requests re-appropriation authority to finish spending on two remaining Floodplain by Design grants that began in the 2013-15 Biennium. The original appropriation funded thirteen flood hazard reduction grants and nine floodplain restoration grants. One of the agreements with Clallam County had a major delay when one of their partners, the U.S. Army Corps of Engineers, whom they had received a letter confirming their partnership, dropped out. That meant they lost their design/construct partner and millions of dollars in funding. They have since re-scoped their project and are on their way to completing their work in the summer of 2019. The other agreement with the Stillaguamish Tribe had U.S. Forest Service permitting issues arise, as well as technical issues on a prototype technology, which caused delays. They have resolved these issues and plan to complete construction in the summer of 2019. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

Project Type

Grants

Grant Recipient Organization: Local gov'ts, tribes, conservation/flood control distr, non-profits, and salmon recovery lead entitie

RCW that establishes grant: None

Application process used

For non-proviso grants, proposals were submitted, screened for eligibility, and ranked by a group made up of Ecology staff and external stakeholders. Funding was provided to those proposals that scored the highest.

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	50,000,000	34,710,000	5,441,000	9,849,000	
	Total	50,000,000	34,710,000	5,441,000	9,849,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 9:35AM

Project Number: 30000432

Project Title: Eastern Washington Clean Sites Initiative

Description

Starting Fiscal Year: 2016
 Project Class: Grant
 Agency Priority: 55

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 these sites are redeveloped. Ecology is requesting reappropriation for this project to keep important work on schedule and in line with the original legislative budget assumptions. (State Toxics Control Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
173-1	State Toxics Control-State	9,900,000	530,000	340,000	9,030,000	
	Total	9,900,000	530,000	340,000	9,030,000	0

Future Fiscal Periods

Acct Code	Account Title	2021-23	2023-25	2025-27	2027-29
		173-1	State Toxics Control-State	0	0
	Total	0	0	0	0

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 3:37PM

Project Number: 30000590

Project Title: Yakima River Basin Water Supply

Description

Starting Fiscal Year: 2016
 Project Class: Grant - Pass Through
 Agency Priority: 56

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 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 June 2018 Fiscal Month 12 Phase 1.

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

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	9,800,000	3,180,000	2,213,000	4,407,000	
355-1	St. Bld Const Acct-State	20,200,000	15,674,000	393,000	4,133,000	
355-B	St. Bld Const Acct-Debt Limit					
Total		30,000,000	18,854,000	2,606,000	8,540,000	0
Future Fiscal Periods						
		2021-23	2023-25	2025-27	2027-29	
057-1	State Bldg Constr-State					
355-1	St. Bld Const Acct-State					
355-B	St. Bld Const Acct-Debt Limit					
Total		0	0	0	0	

Operating Impacts

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 3:37PM

Project Number: 30000590

Project Title: Yakima River Basin Water Supply

Operating Impacts

No Operating Impact

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 9:48AM

Project Number: 19972012

Project Title: Low-Level Nuclear Waste Disposal Trench Closure

Description

Starting Fiscal Year: 1997
 Project Class: Grant - Pass Through
 Agency Priority: 57

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 2019-21. 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 June 2018 Fiscal Month 12 Phase 1.

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

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapps	New Approps
125-1	Site Closure Account-State	13,402,000	4,852,000	19,000	8,531,000	
	Total	13,402,000	4,852,000	19,000	8,531,000	0

Future Fiscal Periods

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Capital Project Request
2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 9:48AM

Project Number: 19972012

Project Title: Low-Level Nuclear Waste Disposal Trench Closure

Funding

	<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>
125-1 Site Closure Account-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 8:51AM

Project Number: 30000326

Project Title: Centennial Clean Water Program

Description

Starting Fiscal Year: 2014
 Project Class: Grant - Pass Through
 Agency Priority: 58

Project Summary

The requested reappropriation for Ecology's Centennial Clean Water Program (CCWP) will provide funds for grants and loans to public bodies for financing planning, implementation, design, acquisition, and construction of water pollution control facilities and nonpoint source pollution control. Ecology uses these funds primarily for grants, which are distributed through a statewide competitive rating and ranking prioritization process. Ecology provides funding to address the highest priority statewide water quality needs including projects for small communities that are financially distressed, and to address water quality problems associated with urban and rural activities. (Environmental Legacy Stewardship Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

Project Type

Grants

Grant Recipient Organization: Local Governments

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 November. Ecology staff screen, review, and rate and rank 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 2013 Final Offer and Applicant List is available on the Water Quality website: <http://www.ecy.wa.gov/programs/wq/funding>.

Growth Management impacts

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
19G-1	ELS Account-State	50,000,000	37,906,000	3,592,000	8,502,000	
	Total	50,000,000	37,906,000	3,592,000	8,502,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
19G-1	ELS Account-State	0	0	0	0	
	Total	0	0	0	0	

Operating Impacts

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 8:51AM

Project Number: 30000326

Project Title: Centennial Clean Water Program

Operating Impacts

No Operating Impact

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 9:22AM

Project Number: 30000542

Project Title: Cleanup Toxics Sites - Puget Sound

Description

Starting Fiscal Year: 2016

Project Class: Grant

Agency Priority: 59

Project Summary

A significant source of pollution to the Puget Sound is contaminated sites around the Basin and its shorelines. For more than ten years, Ecology has been identifying and cleaning up contaminated sites in the Puget Sound Basin. This emphasis on Puget Sound bay-wide cleanup and surrounding areas has highlighted a valuable link between toxic site cleanup and habitat restoration. Ecology is requesting reappropriation for this project to keep important work on schedule and in line with the original legislative budget assumptions. (State Toxics Control Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

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

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
173-1	State Toxics Control-State	14,381,000	3,461,000	2,853,000	8,067,000	
	Total	14,381,000	3,461,000	2,853,000	8,067,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
173-1	State Toxics Control-State	0	0	0	0	
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 9:52AM

Project Number: 30000328

Project Title: Coastal Wetlands Federal Funds

Description

Starting Fiscal Year: 2014
 Project Class: Grant - Pass Through
 Agency Priority: 60

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 June 2018 Fiscal Month 12 Phase 1.

Project Type

Grants

Grant Recipient Organization: Unknown until grant awards are made.

RCW that establishes grant: None

Application process used

Competitive. Ecology helps local governments, state agencies, tribes, and nonprofit organizations apply for 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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
001-2	General Fund-Federal	9,800,000		2,271,000	7,529,000	
	Total	9,800,000	0	2,271,000	7,529,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
001-2	General Fund-Federal					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 12:43PM

Project Number: 30000740

Project Title: Water Irrigation Efficiencies Program

Description

Starting Fiscal Year: 2018

Project Class: Grant

Agency Priority: 61

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 June 2018 Fiscal Month 12 Phase 1.

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Grants

Grant Recipient Organization: Conservation Districts

RCW that establishes grant: None

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	6,500,000		36,000	6,464,000	
	Total	6,500,000	0	36,000	6,464,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 2:40PM

Project Number: 30000707

Project Title: 2017-19 Remedial Action Grants

Description

Starting Fiscal Year: 2018

Project Class: Grant

Agency Priority: 62

Project Summary

Ecology manages the Remedial Action (RA) grant program to help local governments clean up contaminated sites in Washington State. This reappropriation funds pass-through grants for ready-to-proceed projects and actual spending requirements for the 2017-19 Biennium. RA grants support cleanup at contaminated industrial sites that impact the air, land, and water resources of the state, and continued cleanup of Puget Sound. This reappropriation 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. (Local Toxics Control Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

Proviso

None

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
174-1	Local Toxics Control-State	5,877,000			5,877,000	
	Total	5,877,000	0	0	5,877,000	0

Future Fiscal Periods

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Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 2:40PM

Project Number: 30000707

Project Title: 2017-19 Remedial Action Grants

Funding

	<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>
174-1 Local Toxics Control-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 2:31PM

Project Number: 30000763

Project Title: 2015-17 Restored Clean Up Toxics Sites - Puget Sound

Description

Starting Fiscal Year: 2018
 Project Class: Grant
 Agency Priority: 63

Project Summary

A significant source of pollution to the Puget Sound is contaminated sites around the basin and its shorelines. For more than ten years, Ecology has been identifying and cleaning up contaminated sites in the Puget Sound basin. This emphasis on Puget Sound bay wide cleanup and surrounding areas has highlighted a valuable link between toxic site cleanup and habitat restoration. This reappropriation request will keep important cleanup work moving forward. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

Proviso

None

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Grants

Grant Recipient Organization: N/A

RCW that establishes grant: N/A

Application process used
 N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	5,240,000		11,000	5,229,000	
	Total	5,240,000	0	11,000	5,229,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 2:31PM

Project Number: 30000763

Project Title: 2015-17 Restored Clean Up Toxics Sites - Puget Sound

Operating Impacts

No Operating Impact

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 2:25PM

Project Number: 40000108

Project Title: Healthy Housing Remediation Grant Program

Description

Starting Fiscal Year: 2018
 Project Class: Grant - Pass Through
 Agency Priority: 64

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. (State Toxics Control Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

Proviso

No

Project Type

Grants

Grant Recipient Organization: MBHA

RCW that establishes grant: None

Application process used

Not applicable

Growth Management impacts

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
173-1	State Toxics Control-State	5,100,000			5,100,000	
	Total	5,100,000	0	0	5,100,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
173-1	State Toxics Control-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 12:46PM

Project Number: 30000714

Project Title: Watershed Plan Implementation and Flow Achievement

Description

Starting Fiscal Year: 2018
 Project Class: Grant - Pass Through
 Agency Priority: 65

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 June 2018 Fiscal Month 12 Phase 1.

Proviso

None

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	5,000,000		102,000	4,898,000	
	Total	5,000,000	0	102,000	4,898,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State	0	0	0	0	
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 10:20AM

Project Number: 30000039

Project Title: Remedial Action Grant Program

Description

Starting Fiscal Year: 2010
 Project Class: Grant - Pass Through
 Agency Priority: 66

Project Summary

Ecology received appropriations for Remedial Action Grants in the 2009-11 Biennium for funding toxic waste cleanup projects at local government sites. Ecology requests reappropriation for these pass through grants to address the toxics cleanup need in Puget Sound and statewide. The requested reappropriation will support ongoing remedial action grants to clean up contaminated industrial sites that impact the air, land and water resources of the state. This grant funding protects public and environmental health, creates jobs and promotes economic development by allowing contaminated properties to be redeveloped. (State Building Construction Account and Local Toxics Control Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

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

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	37,700,000	36,969,000	33,000	698,000	
174-1	Local Toxics Control-State	37,409,000	32,793,000	650,000	3,966,000	
Total		75,109,000	69,762,000	683,000	4,664,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 10:20AM

Project Number: 30000039

Project Title: Remedial Action Grant Program

Funding

	Future Fiscal Periods			
	<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>
057-1 State Bldg Constr-State				
174-1 Local Toxics Control-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 9:26AM

Project Number: 30000538

Project Title: ASARCO Cleanup

Description

Starting Fiscal Year: 2016
 Project Class: Grant - Pass Through
 Agency Priority: 67

Project Summary

Ecology request reappropriation to continue cleanup work related to former ASARCO smelter sites in Everett and Tacoma, and mining operations in eastern Washington. ASARCO operated smelters in Everett and Tacoma that released arsenic, lead, and other contamination into the air. The pollution settled down to earth in Everett and in the Tacoma Smelter Plume. In Tacoma, the smelter operated from 1890 to 1986 and contaminated over 1,000 square miles in the lower Puget Sound. The Everett site operated from 1894 to 1912, and caused smaller scale contamination. ASARCO also owned or operated mines at various times between 1900 and 1960, and contamination from the tailings piles continues to create dangerous conditions for nearby waterways. This reappropriation 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 June 2018 Fiscal Month 12 Phase 1.

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

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
15H-1	Cleanup Set Acct-State	12,146,000	5,104,000	2,466,000	4,576,000	
	Total	12,146,000	5,104,000	2,466,000	4,576,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
15H-1	Cleanup Set Acct-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 3:42PM

Project Number: 30000588

Project Title: Columbia River Water Supply Development Program

Description

Starting Fiscal Year: 2016
 Project Class: Grant - Pass Through
 Agency Priority: 68

Project Summary

Ecology is requesting reappropriation from the Columbia River Basin Water Supply Development Account and the Columbia River Basin Taxable Bond 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 2019-21 Biennium. These investments will help meet priority needs of the water users in the Columbia River Basin. (Columbia River Basin Water Supply Development Account and Columbia River Basin Water Supply Revenue Recovery Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

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

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
10P-1	Col River Water-State	16,800,000	13,267,000	1,389,000	2,144,000	
10P-B	Col River Water-Debt Limit					
296-1	Col River Bas Wtr Su-State	2,200,000	118,000		2,082,000	
Total		19,000,000	13,385,000	1,389,000	4,226,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
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

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 3:42PM

Project Number: 3000588

Project Title: Columbia River Water Supply Development Program

Operating Impacts

No Operating Impact

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 2:09PM

Project Number: 30000673

Project Title: Sunnyside Valley Irrigation District Water Conservation

Description

Starting Fiscal Year: 2018

Project Class: Grant

Agency Priority: 69

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 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's estimated at \$80 million (\$14 million Ecology cost share) over a 15 year construction period. The Roza project cost's estimated at \$20 million (\$3.5 million Ecology cost share) over a six year construction period. This request includes funding to continue the construction schedule for the state's share of the Yakima River Basin Water Enhancement Project. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

Proviso

None

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	4,684,000		764,000	3,920,000	
	Total	4,684,000	0	764,000	3,920,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 2:09PM

Project Number: 3000673

Project Title: Sunnyside Valley Irrigation District Water Conservation

Operating Impacts

No Operating Impact

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 3:47PM

Project Number: 30000587

Project Title: Water Irrigation Efficiencies Program

Description

Starting Fiscal Year: 2016
 Project Class: Grant - Pass Through
 Agency Priority: 70

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 June 2018 Fiscal Month 12 Phase 1.

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

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	4,000,000	283,000	201,000	3,516,000	
	Total	4,000,000	283,000	201,000	3,516,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 4:05PM

Project Number: 30000331

Project Title: Watershed Plan Implementation and Flow Achievement

Description

Starting Fiscal Year: 2014
 Project Class: Grant - Pass Through
 Agency Priority: 71

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 June 2018 Fiscal Month 12 Phase 1.

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

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	10,000,000	5,321,000	1,350,000	3,329,000	
	Total	10,000,000	5,321,000	1,350,000	3,329,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State	0	0	0	0	
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 10:08AM

Project Number: 30000280

Project Title: ASARCO - Tacoma Smelter Plume and Mines

Description

Starting Fiscal Year: 2012
 Project Class: Grant - Pass Through
 Agency Priority: 72

Project Summary

Ecology requests reappropriation to continue cleanup work related to the ASARCO mining operations in northwest and eastern Washington. The company owned or operated mines at various times between 1900 and 1960, and contamination from the tailings piles continues to create dangerous conditions for nearby waterways. This funding 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 June 2018 Fiscal Month 12 Phase 1.

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

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
15H-1	Cleanup Set Acct-State	20,647,000	17,717,000	75,000	2,855,000	
	Total	20,647,000	17,717,000	75,000	2,855,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
15H-1	Cleanup Set Acct-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 1:47PM

Project Number: 91000347

Project Title: Skagit Water

Description

Starting Fiscal Year: 2018
 Project Class: Grant - Pass Through
 Agency Priority: 73

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 June 2018 Fiscal Month 12 Phase 1.

Proviso

N/A

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	2,500,000			2,500,000	
	Total	2,500,000	0	0	2,500,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State	0	0	0	0	
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 3:39PM

Project Number: 30000589

Project Title: Sunnyside Valley Irrigation District Water Conservation

Description

Starting Fiscal Year: 2016
 Project Class: Grant - Pass Through
 Agency Priority: 74

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 to cover our required state match of 17.5 percent of total project costs for the next four or five biennia: Sunnyside Valley Irrigation District (SVID) Phase 2B project cost estimated at \$80 million (\$14 million Ecology cost share) over a 15 year construction period; Roza project cost estimated at \$20 million (\$3.5 million Ecology cost share) over a six year construction period. Ecology requests reappropriation form the State Building Construction Account to continue the construction schedule for the state's share of the YRBWEP. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

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

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	3,055,000	450,000	148,000	2,457,000	
	Total	3,055,000	450,000	148,000	2,457,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 9:43AM

Project Number: 30000334

Project Title: ASARCO Cleanup

Description

Starting Fiscal Year: 2014
 Project Class: Grant - Pass Through
 Agency Priority: 75

Project Summary

Ecology requests reappropriation to continue the cleanup work related to former ASARCO mining operations in northwest and eastern Washington. The company owned or operated mines at various times between 1900 and 1960, and contamination from the tailings piles continues to create dangerous conditions for nearby waterways. (Cleanup Settlement Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

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

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	6,000,000	5,995,000	5,000		
15H-1	Cleanup Set Acct-State	30,660,000	25,559,000	2,675,000	2,426,000	
	Total	36,660,000	31,554,000	2,680,000	2,426,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</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

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 2:43PM

Project Number: 30000704

Project Title: 2015-17 Restored Eastern Washington Clean Sites Initiative

Description

Starting Fiscal Year: 2018
 Project Class: Grant
 Agency Priority: 76

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 reappropriation request will keep important cleanup work moving forward. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

Proviso

None

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Grants

Grant Recipient Organization: N/A

RCW that establishes grant: N/A

Application process used
 N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	2,436,000		18,000	2,418,000	
	Total	2,436,000	0	18,000	2,418,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 2:43PM

Project Number: 30000704

Project Title: 2015-17 Restored Eastern Washington Clean Sites Initiative

Operating Impacts

No Operating Impact

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 4:38PM

Project Number: 20062950

Project Title: Columbia River Basin Water Supply Development Program

Description

Starting Fiscal Year: 2006
 Project Class: Grant - Pass Through
 Agency Priority: 77

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 2019-21 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 June 2018 Fiscal Month 12 Phase 1.

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

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
10P-1	Col River Water-State	80,867,000	77,963,000	522,000	2,382,000	
10P-B	Col River Water-Debt Limit					
18B-1	Col Riv Bas Acct-State	10,404,000	10,404,000			
18B-B	Col Riv Bas Acct-Debt Limit					
Total		91,271,000	88,367,000	522,000	2,382,000	0

Future Fiscal Periods

Acct Code	Account Title	Future Fiscal Periods			
		2021-23	2023-25	2025-27	2027-29
10P-1	Col River Water-State				
10P-B	Col River Water-Debt Limit				
18B-1	Col Riv Bas Acct-State				
18B-B	Col Riv Bas Acct-Debt Limit				
Total		0	0	0	0

Operating Impacts

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 4:38PM

Project Number: 20062950

Project Title: Columbia River Basin Water Supply Development Program

Operating Impacts

No Operating Impact

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 3:30PM

Project Number: 30000591

Project Title: Watershed Plan Implementation and Flow Achievement

Description

Starting Fiscal Year: 2016
 Project Class: Grant - Pass Through
 Agency Priority: 78

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 June 2018 Fiscal Month 12 Phase 1.

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

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	5,000,000	1,653,000	1,139,000	2,208,000	
	Total	5,000,000	1,653,000	1,139,000	2,208,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State	0	0	0	0	
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 2:35PM

Project Number: 30000749

Project Title: Clean Up Toxic Sites – Puget Sound

Description

Starting Fiscal Year: 2018

Project Class: Grant

Agency Priority: 79

Project Summary

A significant source of pollution to the Puget Sound is contaminated sites around the basin and its shorelines. For more than ten years, Ecology has been identifying and cleaning up contaminated sites in the Puget Sound basin. This emphasis on Puget Sound bay wide cleanup and surrounding areas has highlighted a valuable link between toxic site cleanup and habitat restoration. This reappropriation 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. (State Toxics Control Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
173-1	State Toxics Control-State	2,182,000			2,182,000	
	Total	2,182,000	0	0	2,182,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
173-1	State Toxics Control-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 2:57PM

Project Number: 30000674

Project Title: Reducing Toxic Woodstove Emissions

Description

Starting Fiscal Year: 2018
 Project Class: Grant - Pass Through
 Agency Priority: 80

Project Summary

Smoke from wood burning stoves causes significant health problems, including asthma, lung disease, heart disease, stroke, and premature death. This request will reduce emissions from old, high-polluting wood stoves in communities facing significant public health threats from wood smoke. Funds will be used to replace woodstoves with cleaner home heating options and deploy cleaner burning emission control solutions, eliminating up to 165 tons of fine particle pollution each year. Priority areas include 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. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

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; replacement of uncertified devices that are a home's primary heat source; education of consumers; readiness to proceed; and demonstrated capacity to spend the requested funding. All applications are 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

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	2,000,000			2,000,000	
173-1	State Toxics Control-State					
	Total	2,000,000	0	0	2,000,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State					
173-1	State Toxics Control-State					
	Total	0	0	0	0	

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 2:57PM

Project Number: 30000674

Project Title: Reducing Toxic Woodstove Emissions

Operating Impacts

No Operating Impact

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 9:40AM

Project Number: 30000337

Project Title: Clean Up Toxics Sites - Puget Sound

Description

Starting Fiscal Year: 2014
 Project Class: Grant - Pass Through
 Agency Priority: 81

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. (Environmental Legacy Stewardship Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

Project Type

Grants

Grant Recipient Organization: Department of Ecology

RCW that establishes grant: None

Application process used
 None

Growth Management impacts

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
19G-1	ELS Account-State	25,055,000	22,909,000	242,000	1,904,000	
	Total	25,055,000	22,909,000	242,000	1,904,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
19G-1	ELS Account-State	0	0	0	0	
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 2:37PM

Project Number: 30000742

Project Title: Eastern Washington Clean Sites Initiative

Description

Starting Fiscal Year: 2018

Project Class: Grant

Agency Priority: 82

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 reappropriation request will continue the initiative to have a statewide cleanup program by making investments outside of the Puget Sound basin and Western Washington. (State Toxics Control Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
173-1	State Toxics Control-State	1,740,000			1,740,000	
	Total	1,740,000	0	0	1,740,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
173-1	State Toxics Control-State	0	0	0	0	
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 3:16PM

Project Number: 92000142

Project Title: Drought Response

Description

Starting Fiscal Year: 2016
 Project Class: Grant - Pass Through
 Agency Priority: 83

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 June 2018 Fiscal Month 12 Phase 1.

Project Type

Special Programs

Grant Recipient Organization: Agricultural or public entities

RCW that establishes grant: Chapter 35, Laws of 2016 (Sect

Application process used

Competitive Grant

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
05W-1	State Drought Prep-State	6,723,000	5,027,000	137,000	1,559,000	
	Total	6,723,000	5,027,000	137,000	1,559,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
05W-1	State Drought Prep-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 3:59PM

Project Number: 30000372

Project Title: Columbia River Water Supply Development Program

Description

Starting Fiscal Year: 2014
 Project Class: Grant - Pass Through
 Agency Priority: 84

Project Summary

Ecology is requesting reappropriation from the Columbia River Basin Water Supply Development Account and the Columbia River Basin Taxable Bond 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 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 2019-21 Biennium. These investments will help meet priority needs of the water users in the Columbia River Basin. (Columbia River Basin Water Supply Development Account and 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 June 2018 Fiscal Month 12 Phase 1.

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

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
10P-1	Col River Water-State	43,955,000	40,127,000	2,678,000	1,150,000	
10P-B	Col River Water-Debt Limit					
18B-1	Col Riv Bas Acct-State	30,545,000	29,529,000	971,000	45,000	
18B-B	Col Riv Bas Acct-Debt Limit					
Total		74,500,000	69,656,000	3,649,000	1,195,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
10P-1	Col River Water-State					
10P-B	Col River Water-Debt Limit					
18B-1	Col Riv Bas Acct-State					
18B-B	Col Riv Bas Acct-Debt Limit					
Total		0	0	0	0	

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 3:59PM

Project Number: 30000372

Project Title: Columbia River Water Supply Development Program

Operating Impacts

No Operating Impact

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 3:55PM

Project Number: 30000373

Project Title: Yakima River Basin Water Supply

Description

Starting Fiscal Year: 2014
 Project Class: Grant - Pass Through
 Agency Priority: 85

Project Summary

Existing water resources infrastructure, programs, and policies in the Yakima River basin have not been capable of consistently meeting 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. Implementing this program will support the regional economy and also protect the environment. Ecology is requesting reappropriation from the State Building Construction Account to continue implementing this program in cooperation with the U.S. Bureau of Reclamation and local stakeholders. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

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

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	32,100,000	30,641,000	304,000	1,155,000	
	Total	32,100,000	30,641,000	304,000	1,155,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State	0	0	0	0	
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 4:02PM

Project Number: 30000333

Project Title: Dungeness Water Supply & Mitigation

Description

Starting Fiscal Year: 2014
 Project Class: Grant - Pass Through
 Agency Priority: 86

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 June 2018 Fiscal Month 12 Phase 1.

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

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	2,050,000	715,000	225,000	1,110,000	
	Total	2,050,000	715,000	225,000	1,110,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State	0	0	0	0	
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 3:25PM

Project Number: 91000181

Project Title: Skagit Mitigation

Description

Starting Fiscal Year: 2013
 Project Class: Grant - Pass Through
 Agency Priority: 87

Project Summary

This request will fund development of mitigation options and alternative water sources or tools to make water available for stream flows and rural domestic permit-exempt uses within the Skagit River watershed. Ecology will partner with local governments, tribes, the Skagit Public Utility District (PUD) and other local water systems, and affected property owners to develop and implement these projects. Ecology requests reappropriation from the State Building Construction Account to complete water supply projects in the Skagit River basin. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

Project Type

Grants

Grant Recipient Organization: Grant funds may be provided to local governments to implement this project.

RCW that establishes grant: Legislative Appropriation

Application process used
 N/A

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	2,225,000	1,231,000	20,000	974,000	
	Total	2,225,000	1,231,000	20,000	974,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 2:18PM

Project Number: 3000672

Project Title: Waste Tire Pile Cleanup and Prevention

Description

Starting Fiscal Year: 2018
 Project Class: Grant - Pass Through
 Agency Priority: 88

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 the reappropriation to continue funding preventing and removing waste tire piles, 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 June 2018 Fiscal Month 12 Phase 1.

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

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
08R-1	Waste Tire Removal A-State	1,000,000		74,000	926,000	
	Total	1,000,000	0	74,000	926,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
08R-1	Waste Tire Removal A-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 9:30AM

Project Number: 30000490

Project Title: Leaking Tank Model Remedies

Description

Starting Fiscal Year: 2016
 Project Class: Grant - Pass Through
 Agency Priority: 89

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. (State Toxics Control Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
173-1	State Toxics Control-State	2,000,000	802,000	392,000	806,000	
	Total	2,000,000	802,000	392,000	806,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
173-1	State Toxics Control-State	0	0	0	0	
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 9:04AM

Project Number: 92000158

Project Title: Port of Tacoma Arkema/Dunlap Mound

Description

Starting Fiscal Year: 2016
 Project Class: Grant
 Agency Priority: 90

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 June 2018 Fiscal Month 12 Phase 1.

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	2,900,000	2,146,000	19,000	735,000	
	Total	2,900,000	2,146,000	19,000	735,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State	0	0	0	0	
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 4:16PM

Project Number: 20084029

Project Title: Watershed Plan Implementation and Flow Achievement

Description

Starting Fiscal Year: 2008
 Project Class: Grant - Pass Through
 Agency Priority: 91

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 June 2018 Fiscal Month 12 Phase 1.

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

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	14,000,000	12,987,000	313,000	700,000	
	Total	14,000,000	12,987,000	313,000	700,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State	0	0	0	0	
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 4:11PM

Project Number: 30000213

Project Title: Watershed Plan Implementation and Flow Achievement

Description

Starting Fiscal Year: 2012
 Project Class: Grant - Pass Through
 Agency Priority: 94

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 June 2018 Fiscal Month 12 Phase 1.

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

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	8,079,000	7,245,000	312,000	522,000	
	Total	8,079,000	7,245,000	312,000	522,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State	0	0	0	0	
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 2:51PM

Project Number: 30000671

Project Title: Reducing Toxic Diesel Emissions

Description

Starting Fiscal Year: 2018
 Project Class: Grant - Pass Through
 Agency Priority: 96

Project Summary

Diesel exhaust is Washington's worst toxic air pollutant. Diesel exhaust causes and worsens heart disease, lung disease, asthma, and cancer. It contributes to more than 70 percent of Washington's airborne cancer risk according to Ecology's 2008 Toxic Air Pollutants Study. Nearly five million people in Washington live or work near ports and transportation corridors where they are exposed to high levels of diesel exhaust daily. Diesel engines last for decades. Without programs to clean them up, they will continue to harm public health. This request will significantly reduce health threats through vehicle/equipment replacement, and idle reduction for dirtier diesel engines operating in high exposure communities. Also, past state-funded diesel projects in Washington have typically leveraged significant federal, local-public, and private funds. Ecology requests grant funding for local entities to reduce diesel emissions in high-risk areas across the state. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

Project Type

Grants

Grant Recipient Organization: Multiple

RCW that establishes grant: None

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.

Growth Management impacts

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	500,000			500,000	
	Total	500,000	0	0	500,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State	0	0	0	0	
	Total	0	0	0	0	

Operating Impacts

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 2:51PM

Project Number: 3000671

Project Title: Reducing Toxic Diesel Emissions

Operating Impacts

No Operating Impact

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 9:17AM

Project Number: 91000032

Project Title: Clean Up Toxics Sites - Puget Sound

Description

Starting Fiscal Year: 2013
 Project Class: Grant - Pass Through
 Agency Priority: 97

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. In the 2012 Supplemental Budget, Ecology received new appropriation of \$9.270 million to continue the environmental work at one of the seven priority bays, Port Gamble. The funding was provided for source control, habitat restoration, cleanup sustainability and to open up 90 acres for geoduck tracks. Ecology requests reappropriation to continue the cleanup work at the Port Gamble Bay. Cleaning up the Port Gamble Bay protects public and environmental health, creates jobs and promotes economic development by allowing the property to be redeveloped. (State Toxics Control Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

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

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
173-1	State Toxics Control-State	9,270,000	8,579,000	353,000	338,000	
	Total	9,270,000	8,579,000	353,000	338,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
173-1	State Toxics Control-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 10:15AM

Project Number: 30000144

Project Title: Clean Up Toxics Sites - Puget Sound

Description

Starting Fiscal Year: 2010
 Project Class: Grant - Pass Through
 Agency Priority: 98

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 requests reappropriation to continue these important Puget Sound cleanup projects. Cleaning up toxic sites and restoring habitat at the same time in and around Puget Sound make an efficient and effective use of state and local resources. In addition, cleaning up these contaminated sites protects public and environmental health, creates jobs and promotes economic development by allowing properties to be redeveloped. (State Toxics Control Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

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

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
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	20,223,000	19,734,000	159,000	330,000	
Total		39,034,000	38,545,000	159,000	330,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State					
15H-1	Cleanup Set Acct-State					
173-1	State Toxics Control-State					
Total		0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 4:13PM

Project Number: 30000028

Project Title: Watershed Plan Implementation and Flow Achievement

Description

Starting Fiscal Year: 2010
 Project Class: Grant - Pass Through
 Agency Priority: 99

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 June 2018 Fiscal Month 12 Phase 1.

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

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	6,000,000	5,642,000	61,000	297,000	
	Total	6,000,000	5,642,000	61,000	297,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State	0	0	0	0	
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 4:46PM

Project Number: 19742006

Project Title: Water Supply Facilities

Description

Starting Fiscal Year: 1974
 Project Class: Grant - Pass Through
 Agency Priority: 100

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 June 2018 Fiscal Month 12 Phase 1.

Proviso

N/A

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

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 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	
072-B	Improv-Water Supply-Debt Limit					
Total		15,411,000	15,116,000	0	295,000	0
Future Fiscal Periods						
		2021-23	2023-25	2025-27	2027-29	
05W-1	State Drought Prep-State					
072-1	Improv-Water Supply-State					
072-B	Improv-Water Supply-Debt Limit					
Total		0	0	0	0	

Operating Impacts

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 4:46PM

Project Number: 19742006

Project Title: Water Supply Facilities

Operating Impacts

No Operating Impact

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 10:22AM

Project Number: 20084008

Project Title: Remedial Action Grants

Description

Starting Fiscal Year: 2008
 Project Class: Grant - Pass Through
 Agency Priority: 101

Project Summary

Ecology received appropriations for Remedial Action Grant funds in the 2007-09 Biennium for local government toxic waste cleanups at contaminated sites. Ecology requests reappropriation authority for these pass through grants to continue addressing the toxics cleanup need in Puget Sound. The requested reappropriation will support ongoing remedial actions and cleanup of contaminated industrial sites that impact the air, land and water resources of the state. This grant funding protects public and environmental health, creates jobs and promotes economic development by allowing contaminated properties to be redeveloped. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

Project Type

Grants

Grant Recipient Organization: Local Governments Statewide

RCW that establishes grant: Chapter 70.105D RCW

Application process used

The intent of remedial action grants and loans is to encourage and speed up the cleanup of contaminated sites and to lessen the effect of the cleanup costs on ratepayers and taxpayers. The grants and loans supplement local government funding for remedial actions. Local Governments can apply for a remedial action grant once an order of decree has been issued to clean up a contaminated site. 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

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	54,000,000	53,534,000	223,000	243,000	
174-1	Local Toxics Control-State	38,875,000	38,875,000			
Total		92,875,000	92,409,000	223,000	243,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State					
174-1	Local Toxics Control-State					
Total		0	0	0	0	

Operating Impacts

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 10:22AM

Project Number: 20084008

Project Title: Remedial Action Grants

Operating Impacts

No Operating Impact

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 10:24AM

Project Number: 20064008

Project Title: Local Toxics Grants for Cleanup and Prevention

Description

Starting Fiscal Year: 2006
 Project Class: Grant - Pass Through
 Agency Priority: 102

Project Summary

Ecology received appropriations to fund grants to local governments in the 2005–07 Biennium for several programs designed for managing, preventing, recycling and cleaning up toxic and solid waste in the land, air and water. Ecology requests reappropriation for remedial action grants to address ongoing cleanup needs in Bellingham. This grant funding protects public and environmental health, creates jobs and promotes economic development by allowing contaminated properties to be redeveloped. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

Project Type

Grants

Grant Recipient Organization: Multiple

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

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	21,237,000	20,742,000	259,000	236,000	
174-1	Local Toxics Control-State	77,611,000	77,611,000			
	Total	98,848,000	98,353,000	259,000	236,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State					

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 10:24AM

Project Number: 20064008

Project Title: Local Toxics Grants for Cleanup and Prevention

Funding

	Future Fiscal Periods			
	<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>
174-1 Local Toxics Control-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/10/2018 1:49PM

Project Number: 91000338

Project Title: Integrated Planning Grant: Port Townsend

Description

Starting Fiscal Year: 2018
 Project Class: Grant - Pass Through
 Agency Priority: 103

Project Summary

Ecology received an appropriation to fund an Integrated Planning Grant to the Port of Port Townsend to develop plans to redevelop the contaminated Boat Haven shipyard property. The funding allows the Port to perform an environmental site assessment and development plan. Ecology is requesting reappropriation to allow the Port time to complete their assessment. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

Project Type

Grants

Grant Recipient Organization: N/A

RCW that establishes grant: N/A

Application process used
 N/A

Growth Management impacts

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	200,000			200,000	
	Total	200,000	0	0	200,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 8:54AM

Project Number: 30000431

Project Title: Waste Tire Pile Cleanup and Prevention

Description

Starting Fiscal Year: 2016
 Project Class: Grant - Pass Through
 Agency Priority: 104

Project Summary

Illegally dumped tires in Washington continue to pose public health and environmental threats. Tire piles pose risks for highly toxic fires, and provide habitat for mosquitoes and other disease carriers. Ecology is requesting reappropriation of this project to continue funding preventing and removing waste tire piles, 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 June 2018 Fiscal Month 12 Phase 1.

Project Type

Grants

Grant Recipient Organization: Public entities including cities, counties, irrigation or mosquito ctrl districts, universities, and tribe

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

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
08R-1	Waste Tire Removal A-State	1,000,000	700,000	101,000	199,000	
	Total	1,000,000	700,000	101,000	199,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
08R-1	Waste Tire Removal A-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 10:10AM

Project Number: 30000265

Project Title: Clean Up Toxics Sites - Puget Sound

Description

Starting Fiscal Year: 2012
 Project Class: Grant - Pass Through
 Agency Priority: 105

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 requests reappropriation to continue these important Puget Sound cleanup projects. Cleaning up toxic sites and restoring habitat at the same time in and around Puget Sound make an efficient and effective use of state and local resources. In addition, cleaning up these contaminated sites protects public and environmental health, creates jobs and promotes economic development by allowing properties to be redeveloped. (State Toxics Control Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

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

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
173-1	State Toxics Control-State	15,202,000	14,991,000	27,000	184,000	
	Total	15,202,000	14,991,000	27,000	184,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
173-1	State Toxics Control-State	0	0	0	0	
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 9:38AM

Project Number: 30000351

Project Title: Eastern Washington Clean Sites Initiative

Description

Starting Fiscal Year: 2014
 Project Class: Grant - Pass Through
 Agency Priority: 106

Project Summary

Ecology is requesting reappropriation to fund remediation activities on contaminated sites in eastern Washington. It will be used exclusively in eastern Washington to clean up contaminated sites where the responsible party (land user, facility operator or property owner) is either unwilling or unable to pay costs associated with the cleanup activities. Cleaning up these sites protects public and environmental health, creates jobs, and promotes economic growth as these sites are re-developed. (Environmental Legacy Stewardship Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

Project Type

Grants

Grant Recipient Organization: Department of Ecology

RCW that establishes grant: Chapter 70.105D RCW

Application process used

None

Growth Management impacts

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
19G-1	ELS Account-State	7,600,000	7,221,000	203,000	176,000	
	Total	7,600,000	7,221,000	203,000	176,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
19G-1	ELS Account-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 4:44PM

Project Number: 20042951

Project Title: Twin Lake Aquifer Recharge Project

Description

Starting Fiscal Year: 2004
 Project Class: Grant - Pass Through
 Agency Priority: 107

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 June 2018 Fiscal Month 12 Phase 1.

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

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	749,000	593,000		156,000	
	Total	749,000	593,000	0	156,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 4:42PM

Project Number: 20052852

Project Title: Quad Cities Water Right Mitigation

Description

Starting Fiscal Year: 2005
 Project Class: Grant - Pass Through
 Agency Priority: 108

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 June 2018 Fiscal Month 12 Phase 1.

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

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 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>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 10:05AM

Project Number: 30000428

Project Title: Reducing Toxic Diesel Emissions

Description

Starting Fiscal Year: 2016
 Project Class: Grant - Pass Through
 Agency Priority: 109

Project Summary

Exposure to diesel exhaust, our state's number one airborne health threat, increases cancer risk and causes or worsens asthma, heart disease, and lung diseases. Public exposures are notably increased near urban areas, ports, distribution centers, rail yards, and transportation corridors. This is where heavy-duty diesel engines on buses, trucks, locomotives, cargo-handling equipment, and vessels operate close to populated areas. Strategies to reduce these emissions include exhaust retrofits, idle-reduction programs, installing idle-reduction technologies, engine replacement, vehicle/equipment replacement, and fuel-efficiency measures. Installing these technologies greatly reduces public health costs, lessens operating expenses for engine owners, and reduces greenhouse gas emissions. Ecology requests this reappropriation for grants to local entities to reduce diesel emissions in high-risk diesel pollution areas statewide. (State Toxics Control Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

Project Type

Grants

Grant Recipient Organization: Multiple

RCW that establishes grant: N/A - linked to RCW 70.94.017

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

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
173-1	State Toxics Control-State	1,000,000	643,000	249,000	108,000	
	Total	1,000,000	643,000	249,000	108,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
173-1	State Toxics Control-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 4:20PM

Project Number: 20081951

Project Title: Transfer of Water Rights for Cabin Owners

Description

Starting Fiscal Year: 2008
 Project Class: Grant - Pass Through
 Agency Priority: 110

Project Summary

Ecology requests reappropriation from the State Building Construction Account to continue the Transfer of Water Rights for Cabin Owner's project in 2019-21. 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 June 2018 Fiscal Month 12 Phase 1.

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

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	450,000	358,000	11,000	81,000	
	Total	450,000	358,000	11,000	81,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State	0	0	0	0	
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 3:52PM

Project Number: 30000389

Project Title: Water Irrigation Efficiencies Program

Description

Starting Fiscal Year: 2014
 Project Class: Grant - Pass Through
 Agency Priority: 111

Project Summary

The Water Irrigation Efficiencies Program is a statewide effort to improve how water is delivered and used on agricultural lands. These activities provide multiple state benefits; the most significant is to meet our goals of providing water for people, farms, and fish. 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, in collaboration with the goals of the Columbia River Water Supply Development Program. This includes not only the Columbia River Water Supply Development Program activities, but also irrigation projects outside the Columbia River Water Supply Development Program area, and projects developed and implemented by the conservation districts. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

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 the Washington State Conservation Commission and Ecology staff with review by the Washington Department of Fish and Wildlife.

Growth Management impacts

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	4,000,000	3,873,000	68,000	59,000	
	Total	4,000,000	3,873,000	68,000	59,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State	0	0	0	0	
	Total	0	0	0	0	

Operating Impacts

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 3:52PM

Project Number: 30000389

Project Title: Water Irrigation Efficiencies Program

Operating Impacts

No Operating Impact

Capital Project Request

2019-21 Biennium

*

Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 2:22PM

Project Number: 92000156

Project Title: Water Treatment Plant (Lakewood)

Description

Starting Fiscal Year: 2016
 Project Class: Grant - Pass Through
 Agency Priority: 112

Project Summary

This is a U.S. Environmental Protection Agency Superfund site where the State has responsibilities for long-term operations and maintenance of the system. The drinking water provided by the Lakewood Water District requires ongoing treatment to remove contamination prior to distribution. The existing treatment system has reached the end of its life and needs to be replaced and upgraded. This reappropriation will fund the design and installation of a the new water treatment system at the Lakewood Water District. (State Building Control Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

Project Type

Grants

Grant Recipient Organization: Lakewood Water District

RCW that establishes grant: N/A

Application process used

Direct Appropriation

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	1,500,000	328,000	1,117,000	55,000	
	Total	1,500,000	328,000	1,117,000	55,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/6/2018 4:08PM

Project Number: 30000278

Project Title: Yakima Basin Integrated Water Management Plan Implementation

Description

Starting Fiscal Year: 2012
 Project Class: Grant - Pass Through
 Agency Priority: 113

Project Summary

Ecology requests reappropriation from the State Building Construction Account to continue implementation of the Integrated Water Resource Management Plan identified as a result of the Yakima River Basin Water Storage Feasibility study. Projects proposed for inclusion with this first phase of implementation address storage including Wymer Reservoir and Bumping Lake Expansion projects, and fish passage at Cle Elum Dam. Once these projects are completed additional water supplies will be available, and fish passage and habitat will be improved. (State Building Construction Account)

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

Project Type

Grants

Grant Recipient Organization: None

RCW that establishes grant: Legislative Appropriation

Application process used

None

Growth Management impacts

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	1,871,000	1,819,000	1,000	51,000	
	Total	1,871,000	1,819,000	1,000	51,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 9:46AM

Project Number: 30000323

Project Title: Mercury Switch Removal

Description

Starting Fiscal Year: 2014
 Project Class: Grant - Pass Through
 Agency Priority: 114

Project Summary

Each year in Washington, thousands of vehicles containing mercury switches are crushed and shredded. This process releases mercury, a highly toxic substance able to harm people and the environment. During the 2006 legislative session, the Legislature provided \$1 million to fund a collection and recovery program for mercury switches in vehicles. During the 2013 legislative session, the Legislature provided this additional capital funding for \$500,000 and 0.6 FTE. Since 2006, the program has recovered over 300,000 switches containing nearly 600 pounds of mercury. This reappropriation request for the remainder of the \$500,000 will allow Ecology to continue its successful mercury switch removal program, resulting in the safe management of an additional 120 pounds of mercury waste. (State Toxics Control Account).

Project Description

Estimates for capital reappropriation amounts are based on current biennium appropriations minus expenditures through June 2018 Fiscal Month 12 Phase 1.

Project Type

Grants

Grant Recipient Organization: Rebates paid to individual businesses that collect mercury switches from vehicles.

RCW that establishes grant: None

Application process used

Businesses sign up by completing a form available on Ecology's Web site containing shipping and payment information. Ecology pays the rebate when the national recycling center verifies receipt of the switches.

Growth Management impacts

None

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
173-1	State Toxics Control-State	500,000	385,000	65,000	50,000	
	Total	500,000	385,000	65,000	50,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
173-1	State Toxics Control-State	0	0	0	0	
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Capital Project Request

2019-21 Biennium

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Version: BI Biennial 2019-21 Initial

Report Number: CBS002

Date Run: 9/7/2018 12:18PM

Project Number: 91000007

Project Title: Habitat Mitigation

Description

Starting Fiscal Year: 2010
 Project Class: Grant - Pass Through
 Agency Priority: 115

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 is lapsing \$1,550,000 for a grant Thurston County was not able to complete. The remaining funding will be 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 June 2018 Fiscal Month 12 Phase 1.

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		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	2,401,000	2,352,000	2,000	47,000	
	Total	2,401,000	2,352,000	2,000	47,000	0
Future Fiscal Periods						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State	0	0	0	0	
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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**Department of Ecology
2019-2029 Capital Budget**

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Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Ecology
Contact Name:	Jim Skalski		
Phone:	360-407-6617	Fax:	
Fund(s) Number:	072	Fund Name:	State and Local Improvements Revolving Account
Project Number:	19742006	Project Title:	Water Supply Facilities

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities or granted or transferred to other governmental entities which will use the grant for nongovernmental* purposes? Yes No
6. If you have answered "Yes" to any of the questions above, will your agency or any other state agency receive any payments from any entity, other than the state or one of its agencies or departments or any local government units, for the use of, or in connection with, the project or assets? Yes No
7. Will any portion of the project or asset, or rights to any portion of the project or asset, ever be sold to any entity other than the state or one of its agencies or departments? Yes No
8. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No
9. Will any portion of the project or asset be used to perform sponsored research under an agreement with a nongovernmental person, such a business corporation or the federal government, including any federal department or agency? Yes No

***Nongovernmental purposes is defined in the Glossary and examples provided in Section 4.3 of the Capital Budget Instructions.**

- If the answer to any one of questions 1 through 5 is yes and answers to 6, 7, and 8 are no, request tax exempt funding.
- If the answer to any one of questions 1 through 5 is yes and 6 is yes, request taxable funding from Fund 355.
- If the answer to all of questions 1 through 6 are no and the answer to either question 7 or 8 is yes, request taxable funding from Fund 355.
- If the answer to question 9 is yes, please provide a detailed explanation of the terms of any and all of such sponsored research agreements.

Attach this form to your project in CBS. The Office of the State Treasurer, bond counsel, or the Office of Financial Management may review this form for any projects requested in the budget.

Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Ecology
Contact Name:	Jim Skalski		
Phone:	360-407-6617	Fax:	
Fund(s) Number:	057	Fund Name:	State Building Construction Account
Project Number:	20042951	Project Title:	Twin Lakes Aquifer Recharge Project

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities or granted or transferred to other governmental entities which will use the grant for nongovernmental* purposes? Yes No
6. If you have answered "Yes" to any of the questions above, will your agency or any other state agency receive any payments from any entity, other than the state or one of its agencies or departments or any local government units, for the use of, or in connection with, the project or assets? Yes No
7. Will any portion of the project or asset, or rights to any portion of the project or asset, ever be sold to any entity other than the state or one of its agencies or departments? Yes No
8. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No
9. Will any portion of the project or asset be used to perform sponsored research under an agreement with a nongovernmental person, such a business corporation or the federal government, including any federal department or agency? Yes No

***Nongovernmental purposes is defined in the Glossary and examples provided in Section 4.3 of the Capital Budget Instructions.**

- If the answer to any one of questions 1 through 5 is yes and answers to 6, 7, and 8 are no, request tax exempt funding.
- If the answer to any one of questions 1 through 5 is yes and 6 is yes, request taxable funding from Fund 355.
- If the answer to all of questions 1 through 6 are no and the answer to either question 7 or 8 is yes, request taxable funding from Fund 355.
- If the answer to question 9 is yes, please provide a detailed explanation of the terms of any and all of such sponsored research agreements.

Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Ecology
Contact Name:	Jim Skalski		
Phone:	360-407-6617	Fax:	
Fund(s) Number:	057	Fund Name:	State Building Construction Account
Project Number:	20052852	Project Title:	Quad Cities Water Right Mitigation

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities or granted or transferred to other governmental entities which will use the grant for nongovernmental* purposes? Yes No
6. If you have answered "Yes" to any of the questions above, will your agency or any other state agency receive any payments from any entity, other than the state or one of its agencies or departments or any local government units, for the use of, or in connection with, the project or assets? Yes No
7. Will any portion of the project or asset, or rights to any portion of the project or asset, ever be sold to any entity other than the state or one of its agencies or departments? Yes No
8. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No
9. Will any portion of the project or asset be used to perform sponsored research under an agreement with a nongovernmental person, such a business corporation or the federal government, including any federal department or agency? Yes No

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- If the answer to any one of questions 1 through 5 is yes and 6 is yes, request taxable funding from Fund 355.
- If the answer to all of questions 1 through 6 are no and the answer to either question 7 or 8 is yes, request taxable funding from Fund 355.
- If the answer to question 9 is yes, please provide a detailed explanation of the terms of any and all of such sponsored research agreements.

Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Ecology
Contact Name:	Jim Skalski		
Phone:	360-407-6617	Fax:	
Fund(s) Number:	10P & 18B	Fund Name:	Columbia River Basin Water Supply Development Account and Columbia River Basin Taxable Bond Water Supply Development Account
Project Number:	20062950	Project Title:	Columbia Basin Water Supply Development Program

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities or granted or transferred to other governmental entities which will use the grant for nongovernmental* purposes? Yes No
6. If you have answered "Yes" to any of the questions above, will your agency or any other state agency receive any payments from any entity, other than the state or one of its agencies or departments or any local government units, for the use of, or in connection with, the project or assets? Yes No
7. Will any portion of the project or asset, or rights to any portion of the project or asset, ever be sold to any entity other than the state or one of its agencies or departments? Yes No
8. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No
9. Will any portion of the project or asset be used to perform sponsored research under an agreement with a nongovernmental person, such a business corporation or the federal government, including any federal department or agency? Yes No

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- If the answer to any one of questions 1 through 5 is yes and 6 is yes, request taxable funding from Fund 355.
- If the answer to all of questions 1 through 6 are no and the answer to either question 7 or 8 is yes, request taxable funding from Fund 355.
- If the answer to question 9 is yes, please provide a detailed explanation of the terms of any and all of such sponsored research agreements.

Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Ecology
Contact Name:	Angie Wirkkala		
Phone:	360.407.7219	Fax:	
Fund(s) Number:	057	Fund Name:	State Building Construction Account
Project Number:	20064008	Project Title:	Local Toxics Grants for Cleanup and Prevention

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities or granted or transferred to other governmental entities which will use the grant for nongovernmental* purposes? Yes No
6. If you have answered "Yes" to any of the questions above, will your agency or any other state agency receive any payments from any entity, other than the state or one of its agencies or departments or any local government units, for the use of, or in connection with, the project or assets? Yes No
7. Will any portion of the project or asset, or rights to any portion of the project or asset, ever be sold to any entity other than the state or one of its agencies or departments? Yes No
8. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No
9. Will any portion of the project or asset be used to perform sponsored research under an agreement with a nongovernmental person, such a business corporation or the federal government, including any federal department or agency? Yes No

***Nongovernmental purposes is defined in the Glossary and examples provided in Section 4.3 of the Capital Budget Instructions.**

- If the answer to any one of questions 1 through 5 is yes and answers to 6, 7, and 8 are no, request tax exempt funding.
- If the answer to any one of questions 1 through 5 is yes and 6 is yes, request taxable funding from Fund 355.
- If the answer to all of questions 1 through 6 are no and the answer to either question 7 or 8 is yes, request taxable funding from Fund 355.
- If the answer to question 9 is yes, please provide a detailed explanation of the terms of any and all of such sponsored research agreements.

Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Ecology
Contact Name:	Jim Skalski		
Phone:	360-407-6617	Fax:	
Fund(s) Number:	057	Fund Name:	State Building Construction Account
Project Number:	20081951	Project Title:	Transfer of Water Rights for Cabin Owners

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities or granted or transferred to other governmental entities which will use the grant for nongovernmental* purposes? Yes No
6. If you have answered "Yes" to any of the questions above, will your agency or any other state agency receive any payments from any entity, other than the state or one of its agencies or departments or any local government units, for the use of, or in connection with, the project or assets? Yes No
7. Will any portion of the project or asset, or rights to any portion of the project or asset, ever be sold to any entity other than the state or one of its agencies or departments? Yes No
8. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No
9. Will any portion of the project or asset be used to perform sponsored research under an agreement with a nongovernmental person, such a business corporation or the federal government, including any federal department or agency? Yes No

***Nongovernmental purposes is defined in the Glossary and examples provided in Section 4.3 of the Capital Budget Instructions.**

- If the answer to any one of questions 1 through 5 is yes and answers to 6, 7, and 8 are no, request tax exempt funding.
- If the answer to any one of questions 1 through 5 is yes and 6 is yes, request taxable funding from Fund 355.
- If the answer to all of questions 1 through 6 are no and the answer to either question 7 or 8 is yes, request taxable funding from Fund 355.
- If the answer to question 9 is yes, please provide a detailed explanation of the terms of any and all of such sponsored research agreements.

Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Ecology
Contact Name:	Angie Wirkkala		
Phone:	360.407.7219	Fax:	
Fund(s) Number:	057	Fund Name:	State Building Construction Account
Project Number:	20084008	Project Title:	Remedial Action Grants

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? X Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? X Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? X Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? X Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities or granted or transferred to other governmental entities which will use the grant for nongovernmental* purposes? Yes X No
6. If you have answered "Yes" to any of the questions above, will your agency or any other state agency receive any payments from any entity, other than the state or one of its agencies or departments or any local government units, for the use of, or in connection with, the project or assets? Yes X No
7. Will any portion of the project or asset, or rights to any portion of the project or asset, ever be sold to any entity other than the state or one of its agencies or departments? X Yes No
8. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes X No
9. Will any portion of the project or asset be used to perform sponsored research under an agreement with a nongovernmental person, such a business corporation or the federal government, including any federal department or agency? Yes X No

***Nongovernmental purposes is defined in the Glossary and examples provided in Section 4.3 of the Capital Budget Instructions.**

- If the answer to any one of questions 1 through 5 is yes and answers to 6, 7, and 8 are no, request tax exempt funding.
- If the answer to any one of questions 1 through 5 is yes and 6 is yes, request taxable funding from Fund 355.
- If the answer to all of questions 1 through 6 are no and the answer to either question 7 or 8 is yes, request taxable funding from Fund 355.
- If the answer to question 9 is yes, please provide a detailed explanation of the terms of any and all of such sponsored research agreements.

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Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Ecology
Contact Name:	Jim Skalski		
Phone:	360-407-6617	Fax:	
Fund(s) Number:	057	Fund Name:	State Building Construction Account
Project Number:	20084029	Project Title:	Watershed Plan Implementation and Flow Achievement

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities or granted or transferred to other governmental entities which will use the grant for nongovernmental* purposes? Yes No
6. If you have answered "Yes" to any of the questions above, will your agency or any other state agency receive any payments from any entity, other than the state or one of its agencies or departments or any local government units, for the use of, or in connection with, the project or assets? Yes No
7. Will any portion of the project or asset, or rights to any portion of the project or asset, ever be sold to any entity other than the state or one of its agencies or departments? Yes No
8. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No
9. Will any portion of the project or asset be used to perform sponsored research under an agreement with a nongovernmental person, such a business corporation or the federal government, including any federal department or agency? Yes No

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- If the answer to any one of questions 1 through 5 is yes and 6 is yes, request taxable funding from Fund 355.
- If the answer to all of questions 1 through 6 are no and the answer to either question 7 or 8 is yes, request taxable funding from Fund 355.
- If the answer to question 9 is yes, please provide a detailed explanation of the terms of any and all of such sponsored research agreements.

Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Ecology
Contact Name:	Jim Skalski		
Phone:	360-407-6617	Fax:	
Fund(s) Number:	057	Fund Name:	State Building Construction Account
Project Number:	30000028	Project Title:	Watershed Plan Implementation and Flow Achievement

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities or granted or transferred to other governmental entities which will use the grant for nongovernmental* purposes? Yes No
6. If you have answered "Yes" to any of the questions above, will your agency or any other state agency receive any payments from any entity, other than the state or one of its agencies or departments or any local government units, for the use of, or in connection with, the project or assets? Yes No
7. Will any portion of the project or asset, or rights to any portion of the project or asset, ever be sold to any entity other than the state or one of its agencies or departments? Yes No
8. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No
9. Will any portion of the project or asset be used to perform sponsored research under an agreement with a nongovernmental person, such a business corporation or the federal government, including any federal department or agency? Yes No

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- If the answer to any one of questions 1 through 5 is yes and 6 is yes, request taxable funding from Fund 355.
- If the answer to all of questions 1 through 6 are no and the answer to either question 7 or 8 is yes, request taxable funding from Fund 355.
- If the answer to question 9 is yes, please provide a detailed explanation of the terms of any and all of such sponsored research agreements.

Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Ecology
Contact Name:	Angie Wirkkala		
Phone:	360.407.7219	Fax:	
Fund(s) Number:	057	Fund Name:	State Building Construction Account
Project Number:	30000039	Project Title:	Remedial Action Grant Program

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? X Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? X Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? X Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? X Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities or granted or transferred to other governmental entities which will use the grant for nongovernmental* purposes? Yes X No
6. If you have answered "Yes" to any of the questions above, will your agency or any other state agency receive any payments from any entity, other than the state or one of its agencies or departments or any local government units, for the use of, or in connection with, the project or assets? Yes X No
7. Will any portion of the project or asset, or rights to any portion of the project or asset, ever be sold to any entity other than the state or one of its agencies or departments? X Yes No
8. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes X No
9. Will any portion of the project or asset be used to perform sponsored research under an agreement with a nongovernmental person, such a business corporation or the federal government, including any federal department or agency? Yes X No

***Nongovernmental purposes is defined in the Glossary and examples provided in Section 4.3 of the Capital Budget Instructions.**

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- If the answer to any one of questions 1 through 5 is yes and 6 is yes, request taxable funding from Fund 355.
- If the answer to all of questions 1 through 6 are no and the answer to either question 7 or 8 is yes, request taxable funding from Fund 355.
- If the answer to question 9 is yes, please provide a detailed explanation of the terms of any and all of such sponsored research agreements.

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Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Ecology
Contact Name:	Jim Skalski		
Phone:	360-407-6617	Fax:	
Fund(s) Number:	057	Fund Name:	State Building Construction Account
Project Number:	30000213	Project Title:	Watershed Plan Implementation and Flow Achievement

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities or granted or transferred to other governmental entities which will use the grant for nongovernmental* purposes? Yes No
6. If you have answered "Yes" to any of the questions above, will your agency or any other state agency receive any payments from any entity, other than the state or one of its agencies or departments or any local government units, for the use of, or in connection with, the project or assets? Yes No
7. Will any portion of the project or asset, or rights to any portion of the project or asset, ever be sold to any entity other than the state or one of its agencies or departments? Yes No
8. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No
9. Will any portion of the project or asset be used to perform sponsored research under an agreement with a nongovernmental person, such a business corporation or the federal government, including any federal department or agency? Yes No

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- If the answer to any one of questions 1 through 5 is yes and 6 is yes, request taxable funding from Fund 355.
- If the answer to all of questions 1 through 6 are no and the answer to either question 7 or 8 is yes, request taxable funding from Fund 355.
- If the answer to question 9 is yes, please provide a detailed explanation of the terms of any and all of such sponsored research agreements.

Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Ecology
Contact Name:	Jim Skalski		
Phone:	360-407-6617	Fax:	
Fund(s) Number:	057	Fund Name:	State Building Construction Account
			Yakima Basin Integrated Water Management Plan Implementation
Project Number:	30000278	Project Title:	

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities or granted or transferred to other governmental entities which will use the grant for nongovernmental* purposes? Yes No
6. If you have answered "Yes" to any of the questions above, will your agency or any other state agency receive any payments from any entity, other than the state or one of its agencies or departments or any local government units, for the use of, or in connection with, the project or assets? Yes No
7. Will any portion of the project or asset, or rights to any portion of the project or asset, ever be sold to any entity other than the state or one of its agencies or departments? Yes No
8. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No
9. Will any portion of the project or asset be used to perform sponsored research under an agreement with a nongovernmental person, such a business corporation or the federal government, including any federal department or agency? Yes No

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- If the answer to any one of questions 1 through 5 is yes and 6 is yes, request taxable funding from Fund 355.
- If the answer to all of questions 1 through 6 are no and the answer to either question 7 or 8 is yes, request taxable funding from Fund 355.
- If the answer to question 9 is yes, please provide a detailed explanation of the terms of any and all of such sponsored research agreements.

Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Ecology
Contact Name:	Jim Skalski		
Phone:	360-407-6617	Fax:	
Fund(s) Number:	057	Fund Name:	State Building Construction Account
Project Number:	30000331	Project Title:	Watershed Plan Implementation and Flow Achievement

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities or granted or transferred to other governmental entities which will use the grant for nongovernmental* purposes? Yes No
6. If you have answered "Yes" to any of the questions above, will your agency or any other state agency receive any payments from any entity, other than the state or one of its agencies or departments or any local government units, for the use of, or in connection with, the project or assets? Yes No
7. Will any portion of the project or asset, or rights to any portion of the project or asset, ever be sold to any entity other than the state or one of its agencies or departments? Yes No
8. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No
9. Will any portion of the project or asset be used to perform sponsored research under an agreement with a nongovernmental person, such a business corporation or the federal government, including any federal department or agency? Yes No

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- If the answer to any one of questions 1 through 5 is yes and answers to 6, 7, and 8 are no, request tax exempt funding.
- If the answer to any one of questions 1 through 5 is yes and 6 is yes, request taxable funding from Fund 355.
- If the answer to all of questions 1 through 6 are no and the answer to either question 7 or 8 is yes, request taxable funding from Fund 355.
- If the answer to question 9 is yes, please provide a detailed explanation of the terms of any and all of such sponsored research agreements.

Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Ecology
Contact Name:	Jim Skalski		
Phone:	360-407-6617	Fax:	
Fund(s) Number:	057	Fund Name:	State Building Construction Account
Project Number:	30000333	Project Title:	Dungeness Water Supply and Mitigation

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities or granted or transferred to other governmental entities which will use the grant for nongovernmental* purposes? Yes No
6. If you have answered "Yes" to any of the questions above, will your agency or any other state agency receive any payments from any entity, other than the state or one of its agencies or departments or any local government units, for the use of, or in connection with, the project or assets? Yes No
7. Will any portion of the project or asset, or rights to any portion of the project or asset, ever be sold to any entity other than the state or one of its agencies or departments? Yes No
8. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No
9. Will any portion of the project or asset be used to perform sponsored research under an agreement with a nongovernmental person, such a business corporation or the federal government, including any federal department or agency? Yes No

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- If the answer to any one of questions 1 through 5 is yes and 6 is yes, request taxable funding from Fund 355.
- If the answer to all of questions 1 through 6 are no and the answer to either question 7 or 8 is yes, request taxable funding from Fund 355.
- If the answer to question 9 is yes, please provide a detailed explanation of the terms of any and all of such sponsored research agreements.

Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Ecology
Contact Name:	Jim Skalski		
Phone:	360-407-6617	Fax:	
Fund(s) Number:	10P & 18B	Fund Name:	Columbia River Basin Water Supply Development Account and Columbia River Basin Taxable Bond Water Supply Development Account
Project Number:	30000372	Project Title:	Columbia Basin Water Supply Development Program

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities or granted or transferred to other governmental entities which will use the grant for nongovernmental* purposes? Yes No
6. If you have answered "Yes" to any of the questions above, will your agency or any other state agency receive any payments from any entity, other than the state or one of its agencies or departments or any local government units, for the use of, or in connection with, the project or assets? Yes No
7. Will any portion of the project or asset, or rights to any portion of the project or asset, ever be sold to any entity other than the state or one of its agencies or departments? Yes No
8. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No
9. Will any portion of the project or asset be used to perform sponsored research under an agreement with a nongovernmental person, such a business corporation or the federal government, including any federal department or agency? Yes No

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- If the answer to any one of questions 1 through 5 is yes and 6 is yes, request taxable funding from Fund 355.
- If the answer to all of questions 1 through 6 are no and the answer to either question 7 or 8 is yes, request taxable funding from Fund 355.
- If the answer to question 9 is yes, please provide a detailed explanation of the terms of any and all of such sponsored research agreements.

Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Ecology
Contact Name:	Jim Skalski		
Phone:	360-407-6617	Fax:	
Fund(s) Number:	057	Fund Name:	State Building Construction Account
Project Number:	30000373	Project Title:	Yakima River Basin Water Supply

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities or granted or transferred to other governmental entities which will use the grant for nongovernmental* purposes? Yes No
6. If you have answered "Yes" to any of the questions above, will your agency or any other state agency receive any payments from any entity, other than the state or one of its agencies or departments or any local government units, for the use of, or in connection with, the project or assets? Yes No
7. Will any portion of the project or asset, or rights to any portion of the project or asset, ever be sold to any entity other than the state or one of its agencies or departments? Yes No
8. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No
9. Will any portion of the project or asset be used to perform sponsored research under an agreement with a nongovernmental person, such a business corporation or the federal government, including any federal department or agency? Yes No

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- If the answer to any one of questions 1 through 5 is yes and 6 is yes, request taxable funding from Fund 355.
- If the answer to all of questions 1 through 6 are no and the answer to either question 7 or 8 is yes, request taxable funding from Fund 355.
- If the answer to question 9 is yes, please provide a detailed explanation of the terms of any and all of such sponsored research agreements.

Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Ecology
Contact Name:	Jim Skalski		
Phone:	360-407-6617	Fax:	
Fund(s) Number:	057	Fund Name:	State Building Construction Account
Project Number:	30000389	Project Title:	Water Irrigation Efficiencies

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities or granted or transferred to other governmental entities which will use the grant for nongovernmental* purposes? Yes No
6. If you have answered "Yes" to any of the questions above, will your agency or any other state agency receive any payments from any entity, other than the state or one of its agencies or departments or any local government units, for the use of, or in connection with, the project or assets? Yes No
7. Will any portion of the project or asset, or rights to any portion of the project or asset, ever be sold to any entity other than the state or one of its agencies or departments? Yes No
8. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No
9. Will any portion of the project or asset be used to perform sponsored research under an agreement with a nongovernmental person, such as a business corporation or the federal government, including any federal department or agency? Yes No

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- If the answer to any one of questions 1 through 5 is yes and 6 is yes, request taxable funding from Fund 355.
- If the answer to all of questions 1 through 6 are no and the answer to either question 7 or 8 is yes, request taxable funding from Fund 355.
- If the answer to question 9 is yes, please provide a detailed explanation of the terms of any and all of such sponsored research agreements.

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Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Department of Ecology
Contact Name:	Kimberly Wagar		
Phone:	360-407-6614	Fax:	360-407-6426
Fund(s) Number:	057	Fund Name:	State Building Construction Account
Project Number:	30000427	Project Title:	Centennial Clean Water Grants

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities or granted or transferred to other governmental entities which will use the grant for nongovernmental* purposes? Yes No
6. If you have answered "Yes" to any of the questions above, will your agency or any other state agency receive any payments from any entity, other than the state or one of its agencies or departments or any local government units, for the use of, or in connection with, the project or assets? Yes No
7. Will any portion of the project or asset, or rights to any portion of the project or asset, ever be sold to any entity other than the state or one of its agencies or departments? Yes No
8. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No
9. Will any portion of the project or asset be used to perform sponsored research under an agreement with a nongovernmental person, such a business corporation or the federal government, including any federal department or agency? Yes No

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- If the answer to any one of questions 1 through 5 is yes and 6 is yes, request taxable funding from Fund 355.
- If the answer to all of questions 1 through 6 are no and the answer to either question 7 or 8 is yes, request taxable funding from Fund 355.
- If the answer to question 9 is yes, please provide a detailed explanation of the terms of any and all of such sponsored research agreements.

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Expected Use of Bond/COP Proceeds

Agency ID:	<u>461</u>	Agency Name:	<u>Department of Ecology</u>
Contact Name:	<u>Angie Wirkkala</u>	Email:	<u>angie.wirkkala@ecy.wa.gov</u>
Phone:	<u>(360) 407-7219</u>	Fund Name:	<u>State Building Construction Account</u>
Fund(s) Number:	<u>057</u>	Project Title:	<u>Remedial Action Grants</u>
Project Number:	<u>30000458</u>		

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities or granted or transferred to other governmental entities which will use the grant for nongovernmental* purposes? Yes No
6. If you have answered "Yes" to any of the questions above, will your agency or any other state agency receive any payments from any entity, other than the state or one of its agencies or departments or any local government units, for the use of, or in connection with, the project or assets? Yes No
7. Will any portion of the project or asset, or rights to any portion of the project or asset, ever be sold to any entity other than the state or one of its agencies or departments? Yes No
8. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No
9. Will any portion of the project or asset be used to perform sponsored research under an agreement with a nongovernmental person, such a business corporation or the federal government, including any federal department or agency? Yes No

***Nongovernmental purposes is defined in the Glossary and examples provided in Section 4.3 of the Capital Budget Instructions.**

- If the answer to any one of questions 1 through 5 is yes and answers to 6, 7, and 8 are no, request tax exempt funding.
- If the answer to any one of questions 1 through 5 is yes and 6 is yes, request taxable funding from Fund 355.
- If the answer to all of questions 1 through 6 are no and the answer to either question 7 or 8 is yes, request taxable funding from Fund 355.
- If the answer to question 9 is yes, please provide a detailed explanation of the terms of any and all of such sponsored research agreements.

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Expected Use of Bond/COP Proceeds

Agency No.	<u>461</u>	Agency Name	<u>Washington State Department of Ecology</u>
Contact Name:	<u>Scott McKinney</u>		
Phone:	<u>360-407-6131</u>	Fax:	<u>360-407-7162</u>
Fund(s) Number:	<u>057</u>	Fund Name:	<u>State Building Construction Acct</u>
Project Number:	<u>30000537</u>	Project Title:	<u>Floodplains by Design</u>

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities or granted or transferred to other governmental entities which will use the grant for nongovernmental* purposes? Yes No
6. If you have answered "Yes" to any of the questions above, will your agency or any other state agency receive any payments from any entity, other than the state or one of its agencies or departments or any local government units, for the use of, or in connection with, the project or assets? Yes No
7. Will any portion of the project or asset, or rights to any portion of the project or asset, ever be sold to any entity other than the state or one of its agencies or departments? Yes No
8. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No
9. Will any portion of the project or asset be used to perform sponsored research under an agreement with a nongovernmental person, such as a business corporation or the federal government, including any federal department or agency? Yes No

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- If the answer to any one of questions 1 through 5 is yes and 6 is yes, request taxable funding from Fund 355.
- If the answer to all of questions 1 through 6 are no and the answer to either question 7 or 8 is yes, request taxable funding from Fund 355.
- If the answer to question 9 is yes, please provide a detailed explanation of the terms of any and all of such sponsored research agreements.

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Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Ecology
Contact Name:	Jim Skalski		
Phone:	360-407-6617	Fax:	
Fund(s) Number:	057	Fund Name:	State Building Construction Account
Project Number:	30000587	Project Title:	Water Irrigation Efficiencies

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities or granted or transferred to other governmental entities which will use the grant for nongovernmental* purposes? Yes No
6. If you have answered "Yes" to any of the questions above, will your agency or any other state agency receive any payments from any entity, other than the state or one of its agencies or departments or any local government units, for the use of, or in connection with, the project or assets? Yes No
7. Will any portion of the project or asset, or rights to any portion of the project or asset, ever be sold to any entity other than the state or one of its agencies or departments? Yes No
8. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No
9. Will any portion of the project or asset be used to perform sponsored research under an agreement with a nongovernmental person, such as a business corporation or the federal government, including any federal department or agency? Yes No

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- If the answer to any one of questions 1 through 5 is yes and 6 is yes, request taxable funding from Fund 355.
- If the answer to all of questions 1 through 6 are no and the answer to either question 7 or 8 is yes, request taxable funding from Fund 355.
- If the answer to question 9 is yes, please provide a detailed explanation of the terms of any and all of such sponsored research agreements.

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Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Ecology
Contact Name:	Jim Skalski	Fax:	
Phone:	360-407-6617	Fund Name:	Columbia River Basin Water
Fund(s) Number:	10P		Supply Development Account
Project Number:	30000588	Project Title:	Columbia Basin Water Supply Development Program

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities or granted or transferred to other governmental entities which will use the grant for nongovernmental* purposes? Yes No
6. If you have answered "Yes" to any of the questions above, will your agency or any other state agency receive any payments from any entity, other than the state or one of its agencies or departments or any local government units, for the use of, or in connection with, the project or assets? Yes No
7. Will any portion of the project or asset, or rights to any portion of the project or asset, ever be sold to any entity other than the state or one of its agencies or departments? Yes No
8. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No
9. Will any portion of the project or asset be used to perform sponsored research under an agreement with a nongovernmental person, such a business corporation or the federal government, including any federal department or agency? Yes No

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- If the answer to any one of questions 1 through 5 is yes and 6 is yes, request taxable funding from Fund 355.
- If the answer to all of questions 1 through 6 are no and the answer to either question 7 or 8 is yes, request taxable funding from Fund 355.
- If the answer to question 9 is yes, please provide a detailed explanation of the terms of any and all of such sponsored research agreements.

Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Ecology
Contact Name:	Jim Skalski		
Phone:	360-407-6617	Fax:	
Fund(s) Number:	057	Fund Name:	State Building Construction Account
Project Number:	30000589	Project Title:	Sunnyside Valley Irrigation District Water Conservation

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities or granted or transferred to other governmental entities which will use the grant for nongovernmental* purposes? Yes No
6. If you have answered "Yes" to any of the questions above, will your agency or any other state agency receive any payments from any entity, other than the state or one of its agencies or departments or any local government units, for the use of, or in connection with, the project or assets? Yes No
7. Will any portion of the project or asset, or rights to any portion of the project or asset, ever be sold to any entity other than the state or one of its agencies or departments? Yes No
8. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No
9. Will any portion of the project or asset be used to perform sponsored research under an agreement with a nongovernmental person, such a business corporation or the federal government, including any federal department or agency? Yes No

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- If the answer to any one of questions 1 through 5 is yes and 6 is yes, request taxable funding from Fund 355.
- If the answer to all of questions 1 through 6 are no and the answer to either question 7 or 8 is yes, request taxable funding from Fund 355.
- If the answer to question 9 is yes, please provide a detailed explanation of the terms of any and all of such sponsored research agreements.

Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Ecology
Contact Name:	Jim Skalski		
Phone:	360-407-6617	Fax:	
Fund(s) Number:	057	Fund Name:	State Building Construction Account
Project Number:	30000590	Project Title:	Yakima River Basin Water Supply

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities or granted or transferred to other governmental entities which will use the grant for nongovernmental* purposes? Yes No
6. If you have answered "Yes" to any of the questions above, will your agency or any other state agency receive any payments from any entity, other than the state or one of its agencies or departments or any local government units, for the use of, or in connection with, the project or assets? Yes No
7. Will any portion of the project or asset, or rights to any portion of the project or asset, ever be sold to any entity other than the state or one of its agencies or departments? Yes No
8. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No
9. Will any portion of the project or asset be used to perform sponsored research under an agreement with a nongovernmental person, such a business corporation or the federal government, including any federal department or agency? Yes No

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- If the answer to any one of questions 1 through 5 is yes and 6 is yes, request taxable funding from Fund 355.
- If the answer to all of questions 1 through 6 are no and the answer to either question 7 or 8 is yes, request taxable funding from Fund 355.
- If the answer to question 9 is yes, please provide a detailed explanation of the terms of any and all of such sponsored research agreements.

Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Ecology
Contact Name:	Jim Skalski		
Phone:	360-407-6617	Fax:	
Fund(s) Number:	057	Fund Name:	State Building Construction Account
Project Number:	30000591	Project Title:	Watershed Plan Implementation and Flow Achievement

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities or granted or transferred to other governmental entities which will use the grant for nongovernmental* purposes? Yes No
6. If you have answered "Yes" to any of the questions above, will your agency or any other state agency receive any payments from any entity, other than the state or one of its agencies or departments or any local government units, for the use of, or in connection with, the project or assets? Yes No
7. Will any portion of the project or asset, or rights to any portion of the project or asset, ever be sold to any entity other than the state or one of its agencies or departments? Yes No
8. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No
9. Will any portion of the project or asset be used to perform sponsored research under an agreement with a nongovernmental person, such a business corporation or the federal government, including any federal department or agency? Yes No

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- If the answer to all of questions 1 through 6 are no and the answer to either question 7 or 8 is yes, request taxable funding from Fund 355.
- If the answer to question 9 is yes, please provide a detailed explanation of the terms of any and all of such sponsored research agreements.

Expected Use of Bond/COP Proceeds

Agency ID:	<u>461</u>	Agency Name:	<u>Department of Ecology</u>
Contact Name:	<u>Matthew Vandrush-Borgacz</u>	Email:	<u>mvan461@ecy.wa.gov</u>
Phone:	<u>(360) 407-6646</u>	Fund Name:	<u>State Building Construction Account</u>
Fund(s) Number:	<u>057</u>	Project Title:	<u>Reducing Toxic Diesel Emissions</u>
Project Number:	<u>30000671</u>		


1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities or granted or transferred to other governmental entities which will use the grant for nongovernmental* purposes? Yes No
6. If you have answered "Yes" to any of the questions above, will your agency or any other state agency receive any payments from any entity, other than the state or one of its agencies or departments or any local government units, for the use of, or in connection with, the project or assets? Yes No
7. Will any portion of the project or asset, or rights to any portion of the project or asset, ever be sold to any entity other than the state or one of its agencies or departments? Yes No
8. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No
9. Will any portion of the project or asset be used to perform sponsored research under an agreement with a nongovernmental person, such a business corporation or the federal government, including any federal department or agency? Yes No

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Expected Use of Bond/COP Proceeds

Agency ID:	<u>461</u>	Agency Name:	<u>Department of Ecology</u>
Contact Name:	<u>Jim Skalski</u>	Email:	<u>jska461@ecy.wa.gov</u>
Phone:	<u>360-407-6617</u>	Fund Name:	<u>State Building Construction Account</u>
Fund(s) Number:	<u>057</u>	Project Title:	<u>Sunnyside Valley Irrigation District Water Conservation</u> 
Project Number:	<u>30000673</u>		

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities or granted or transferred to other governmental entities which will use the grant for nongovernmental* purposes? Yes No
6. If you have answered "Yes" to any of the questions above, will your agency or any other state agency receive any payments from any entity, other than the state or one of its agencies or departments or any local government units, for the use of, or in connection with, the project or assets? Yes No
7. Will any portion of the project or asset, or rights to any portion of the project or asset, ever be sold to any entity other than the state or one of its agencies or departments? Yes No
8. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No
9. Will any portion of the project or asset be used to perform sponsored research under an agreement with a nongovernmental person, such a business corporation or the federal government, including any federal department or agency? Yes No

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Expected Use of Bond/COP Proceeds

Agency ID:	<u>461</u>	Agency Name:	<u>Department of Ecology</u>
Contact Name:	<u>Matthew Vandrush-Borgacz</u>	Email:	<u>mvan461@ecy.wa.gov</u>
Phone:	<u>(360) 407-6646</u>	Fund Name:	<u>State Building Construction Account</u>
Fund(s) Number:	<u>057</u>	Project Title:	<u>Reducing Toxic Woodstove Emissions</u>
Project Number:	<u>30000674</u>		

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities or granted or transferred to other governmental entities which will use the grant for nongovernmental* purposes? Yes No
6. If you have answered "Yes" to any of the questions above, will your agency or any other state agency receive any payments from any entity, other than the state or one of its agencies or departments or any local government units, for the use of, or in connection with, the project or assets? Yes No
7. Will any portion of the project or asset, or rights to any portion of the project or asset, ever be sold to any entity other than the state or one of its agencies or departments? Yes No
8. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No
9. Will any portion of the project or asset be used to perform sponsored research under an agreement with a nongovernmental person, such a business corporation or the federal government, including any federal department or agency? Yes No

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Expected Use of Bond/COP Proceeds

Agency ID:	<u>461</u>	Agency Name:	<u>Department of Ecology</u>
Contact Name:	<u>Angie Wirkkala</u>	Email:	<u>angie.wirkkala@ecy.wa.gov</u>
Phone:	<u>(360) 407-7219</u>	Fund Name:	<u>State Building Construction Account</u>
Fund(s) Number:	<u>057</u>	Project Title:	<u>Eastern Washington Clean Sites Initiative</u>
Project Number:	<u>30000704</u>		

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities or granted or transferred to other governmental entities which will use the grant for nongovernmental* purposes? Yes No
6. If you have answered "Yes" to any of the questions above, will your agency or any other state agency receive any payments from any entity, other than the state or one of its agencies or departments or any local government units, for the use of, or in connection with, the project or assets? Yes No
7. Will any portion of the project or asset, or rights to any portion of the project or asset, ever be sold to any entity other than the state or one of its agencies or departments? Yes No
8. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No
9. Will any portion of the project or asset be used to perform sponsored research under an agreement with a nongovernmental person, such a business corporation or the federal government, including any federal department or agency? Yes No

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- If the answer to any one of questions 1 through 5 is yes and 6 is yes, request taxable funding from Fund 355.
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- If the answer to question 9 is yes, please provide a detailed explanation of the terms of any and all of such sponsored research agreements.

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Expected Use of Bond/COP Proceeds

Agency ID:	<u>461</u>	Agency Name:	<u>Department of Ecology</u>
Contact Name:	<u>Kimberly Wagar</u>	Email:	<u>kwag461@ecy.wa.gov</u>
Phone:	<u>(360) 407-6614</u>	Fund Name:	<u>State Building Construction Account</u>
Fund(s) Number:	<u>057</u>	Project Title:	<u>Centennial Clean Water Program</u>
Project Number:	<u>30000705</u>		

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities or granted or transferred to other governmental entities which will use the grant for nongovernmental* purposes? Yes No
6. If you have answered "Yes" to any of the questions above, will your agency or any other state agency receive any payments from any entity, other than the state or one of its agencies or departments or any local government units, for the use of, or in connection with, the project or assets? Yes No
7. Will any portion of the project or asset, or rights to any portion of the project or asset, ever be sold to any entity other than the state or one of its agencies or departments? Yes No
8. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No
9. Will any portion of the project or asset be used to perform sponsored research under an agreement with a nongovernmental person, such a business corporation or the federal government, including any federal department or agency? Yes No

***Nongovernmental purposes is defined in the Glossary and examples provided in Section 4.3 of the Capital Budget Instructions.**

- If the answer to any one of questions 1 through 5 is yes and answers to 6, 7, and 8 are no, request tax exempt funding.
- If the answer to any one of questions 1 through 5 is yes and 6 is yes, request taxable funding from Fund 355.
- If the answer to all of questions 1 through 6 are no and the answer to either question 7 or 8 is yes, request taxable funding from Fund 355.
- If the answer to question 9 is yes, please provide a detailed explanation of the terms of any and all of such sponsored research agreements.

Attach this form to your project in CBS. The Office of the State Treasurer, bond counsel, or the Office of Financial Management may review this form for any projects requested in the budget.

Expected Use of Bond/COP Proceeds

Agency No. <u>461</u>	Agency Name <u>Washington State Department of Ecology</u>		
Contact Name: <u>Scott McKinney</u>			
Phone: <u>360-407-6131</u>	Fax: <u>360-407-7162</u>		
Fund(s) Number: <u>057</u>	Fund Name: <u>State Building Construction Acct</u>		
Project Number: <u>30000706</u>	Project Title: <u>Floodplains by Design</u>		

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities or granted or transferred to other governmental entities which will use the grant for nongovernmental* purposes? Yes No
6. If you have answered "Yes" to any of the questions above, will your agency or any other state agency receive any payments from any entity, other than the state or one of its agencies or departments or any local government units, for the use of, or in connection with, the project or assets? Yes No
7. Will any portion of the project or asset, or rights to any portion of the project or asset, ever be sold to any entity other than the state or one of its agencies or departments? Yes No
8. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No
9. Will any portion of the project or asset be used to perform sponsored research under an agreement with a nongovernmental person, such a business corporation or the federal government, including any federal department or agency? Yes No

***Nongovernmental purposes is defined in the Glossary and examples provided in Section 4.3 of the Capital Budget Instructions.**

- If the answer to any one of questions 1 through 5 is yes and answers to 6, 7, and 8 are no, request tax exempt funding.
- If the answer to any one of questions 1 through 5 is yes and 6 is yes, request taxable funding from Fund 355.
- If the answer to all of questions 1 through 6 are no and the answer to either question 7 or 8 is yes, request taxable funding from Fund 355.
- If the answer to question 9 is yes, please provide a detailed explanation of the terms of any and all of such sponsored research agreements.

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Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Department of Ecology
Contact Name:	Angie Wirkkala		
Phone:	360-407-7219	Fax:	
Fund(s) Number:	057	Fund Name:	State Building Construction Account
Project Number:	30000708	Project Title:	Swift Creek Natural Asbestos Flood Control and Cleanup

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities (private or non-profit companies or the federal government) or granted or transferred to other governmental entities which will use the grant for nongovernmental purposes? Yes No
6. Is any portion of the project or asset, or rights to any portion of the project or asset, expected to be sold to any entity other than the state or one of its agencies or departments? Yes No
7. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No

If all of the answers are no, request tax-exempt funding. If the answer to any of the questions is yes, contact your OFM capital analyst for further review.

Expected Use of Bond/COP Proceeds

Agency ID:	<u>461</u>	Agency Name:	<u>Department of Ecology</u>
Contact Name:	<u>Jim Skalski</u>	Email:	<u>jska461@ecy.wa.gov</u>
Phone:	<u>360-407-6617</u>	Fund Name:	<u>State Building Construction Account</u>
Fund(s) Number:	<u>057</u>	Project Title:	<u>Yakima River Basin Water Supply</u>
Project Number:	<u>30000711</u>		

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities or granted or transferred to other governmental entities which will use the grant for nongovernmental* purposes? Yes No
6. If you have answered "Yes" to any of the questions above, will your agency or any other state agency receive any payments from any entity, other than the state or one of its agencies or departments or any local government units, for the use of, or in connection with, the project or assets? Yes No
7. Will any portion of the project or asset, or rights to any portion of the project or asset, ever be sold to any entity other than the state or one of its agencies or departments? Yes No
8. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No
9. Will any portion of the project or asset be used to perform sponsored research under an agreement with a nongovernmental person, such a business corporation or the federal government, including any federal department or agency? Yes No

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- If the answer to any one of questions 1 through 5 is yes and 6 is yes, request taxable funding from Fund 355.
- If the answer to all of questions 1 through 6 are no and the answer to either question 7 or 8 is yes, request taxable funding from Fund 355.
- If the answer to question 9 is yes, please provide a detailed explanation of the terms of any and all of such sponsored research agreements.

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Expected Use of Bond/COP Proceeds

Agency ID:	461	Agency Name:	Department of Ecology
Contact Name:	Jim Skalski	Email:	jska461@ecy.wa.gov
Phone:	360-407-6617	Fund Name:	Columbia River Basin Water Supply Develop
Fund(s) Number:	10P	Project Title:	Columbia River Water Supply Development
Project Number:	30000712		Program +

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities or granted or transferred to other governmental entities which will use the grant for nongovernmental* purposes? Yes No
6. If you have answered "Yes" to any of the questions above, will your agency or any other state agency receive any payments from any entity, other than the state or one of its agencies or departments or any local government units, for the use of, or in connection with, the project or assets? Yes No
7. Will any portion of the project or asset, or rights to any portion of the project or asset, ever be sold to any entity other than the state or one of its agencies or departments? Yes No
8. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No
9. Will any portion of the project or asset be used to perform sponsored research under an agreement with a nongovernmental person, such a business corporation or the federal government, including any federal department or agency? Yes No

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- If the answer to all of questions 1 through 6 are no and the answer to either question 7 or 8 is yes, request taxable funding from Fund 355.
- If the answer to question 9 is yes, please provide a detailed explanation of the terms of any and all of such sponsored research agreements.

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Expected Use of Bond/COP Proceeds

Agency ID:	<u>461</u>	Agency Name:	<u>Department of Ecology</u>
Contact Name:	<u>Jason Norberg</u>	Email:	<u>jnor461@ecy.wa.gov</u>
Phone:	<u>(360) 407-6829</u>	Fund Name:	<u>State Building Construction Account</u>
Fund(s) Number:	<u>057</u>	Project Title:	<u>HQ Parking Garage Preservation</u>
Project Number:	<u>30000713</u>		

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities or granted or transferred to other governmental entities which will use the grant for nongovernmental* purposes? Yes No
6. If you have answered "Yes" to any of the questions above, will your agency or any other state agency receive any payments from any entity, other than the state or one of its agencies or departments or any local government units, for the use of, or in connection with, the project or assets? Yes No
7. Will any portion of the project or asset, or rights to any portion of the project or asset, ever be sold to any entity other than the state or one of its agencies or departments? Yes No
8. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No
9. Will any portion of the project or asset be used to perform sponsored research under an agreement with a nongovernmental person, such a business corporation or the federal government, including any federal department or agency? Yes No

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- If the answer to any one of questions 1 through 5 is yes and 6 is yes, request taxable funding from Fund 355.
- If the answer to all of questions 1 through 6 are no and the answer to either question 7 or 8 is yes, request taxable funding from Fund 355.
- If the answer to question 9 is yes, please provide a detailed explanation of the terms of any and all of such sponsored research agreements.

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Expected Use of Bond/COP Proceeds

Agency ID:	<u>461</u>	Agency Name:	<u>Department of Ecology</u>
Contact Name:	<u>Jim Skalski</u>	Email:	<u>jska461@ecy.wa.gov</u>
Phone:	<u>360-407-6617</u>	Fund Name:	<u>State Building Construction Account</u>
Fund(s) Number:	<u>057</u>	Project Title:	<u>Watershed Plan Implementation and Flow Achievement</u>
Project Number:	<u>30000714</u>		

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities or granted or transferred to other governmental entities which will use the grant for nongovernmental* purposes? Yes No
6. If you have answered "Yes" to any of the questions above, will your agency or any other state agency receive any payments from any entity, other than the state or one of its agencies or departments or any local government units, for the use of, or in connection with, the project or assets? Yes No
7. Will any portion of the project or asset, or rights to any portion of the project or asset, ever be sold to any entity other than the state or one of its agencies or departments? Yes No
8. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No
9. Will any portion of the project or asset be used to perform sponsored research under an agreement with a nongovernmental person, such a business corporation or the federal government, including any federal department or agency? Yes No

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- If the answer to any one of questions 1 through 5 is yes and 6 is yes, request taxable funding from Fund 355.
- If the answer to all of questions 1 through 6 are no and the answer to either question 7 or 8 is yes, request taxable funding from Fund 355.
- If the answer to question 9 is yes, please provide a detailed explanation of the terms of any and all of such sponsored research agreements.

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Expected Use of Bond/COP Proceeds

Agency ID:	<u>461</u>	Agency Name:	<u>Department of Ecology</u>
Contact Name:	<u>Jim Skalski</u>	Email:	<u>jska461@ecy.wa.gov</u>
Phone:	<u>360-407-6617</u>	Fund Name:	<u>State Building Construction Account</u>
Fund(s) Number:	<u>057</u>	Project Title:	<u>Water Irrigation Efficiencies Program</u>
Project Number:	<u>30000740</u>		

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities or granted or transferred to other governmental entities which will use the grant for nongovernmental* purposes? Yes No
6. If you have answered "Yes" to any of the questions above, will your agency or any other state agency receive any payments from any entity, other than the state or one of its agencies or departments or any local government units, for the use of, or in connection with, the project or assets? Yes No
7. Will any portion of the project or asset, or rights to any portion of the project or asset, ever be sold to any entity other than the state or one of its agencies or departments? Yes No
8. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No
9. Will any portion of the project or asset be used to perform sponsored research under an agreement with a nongovernmental person, such a business corporation or the federal government, including any federal department or agency? Yes No

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- If the answer to any one of questions 1 through 5 is yes and 6 is yes, request taxable funding from Fund 355.
- If the answer to all of questions 1 through 6 are no and the answer to either question 7 or 8 is yes, request taxable funding from Fund 355.
- If the answer to question 9 is yes, please provide a detailed explanation of the terms of any and all of such sponsored research agreements.

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Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Department of Ecology
Contact Name:	Fran Huntington	Email:	fhun461@ecy.wa.gov
Phone:	(360) 407-7028	Fund Name:	State Building Construction Account
Fund(s) Number:	057	Project Number:	30000741
		Project Title:	30000741 - ERO Improvements and Stormwater Treatment

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities (private or non-profit companies or the federal government) or granted or transferred to other governmental entities which will use the grant for nongovernmental purposes? Yes No
6. Is any portion of the project or asset, or rights to any portion of the project or asset, expected to be sold to any entity other than the state or one of its agencies or departments? Yes No
7. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No

If all of the answers are no, request tax-exempt funding. If the answer to any of the questions is yes, contact your OFM capital analyst for further review.

Expected Use of Bond/COP Proceeds

Agency ID:	<u>461</u>	Agency Name:	<u>Department of Ecology</u>
Contact Name:	<u>Angie Wirkkala</u>	Email:	<u>angie.wirkkala@ecy.wa.gov</u>
Phone:	<u>(360) 407-7219</u>	Fund Name:	<u>State Building Construction Account</u>
Fund(s) Number:	<u>057</u>	Project Title:	<u>Clean Up Toxic Sites - Puget Sound</u>
Project Number:	<u>30000763</u>		

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities or granted or transferred to other governmental entities which will use the grant for nongovernmental* purposes? Yes No
6. If you have answered "Yes" to any of the questions above, will your agency or any other state agency receive any payments from any entity, other than the state or one of its agencies or departments or any local government units, for the use of, or in connection with, the project or assets? Yes No
7. Will any portion of the project or asset, or rights to any portion of the project or asset, ever be sold to any entity other than the state or one of its agencies or departments? Yes No
8. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No
9. Will any portion of the project or asset be used to perform sponsored research under an agreement with a nongovernmental person, such a business corporation or the federal government, including any federal department or agency? Yes No

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- If the answer to any one of questions 1 through 5 is yes and 6 is yes, request taxable funding from Fund 355.
- If the answer to all of questions 1 through 6 are no and the answer to either question 7 or 8 is yes, request taxable funding from Fund 355.
- If the answer to question 9 is yes, please provide a detailed explanation of the terms of any and all of such sponsored research agreements.

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Expected Use of Bond/COP Proceeds

Agency ID:	<u>461</u>	Agency Name:	<u>Department of Ecology</u>
Contact Name:	<u>Kimberly Wagar</u>	Email:	<u>kwag461@ecy.wa.gov</u>
Phone:	<u>(360) 407-6614</u>	Fund Name:	<u>State Building Construction Account</u>
Fund(s) Number:	<u>057-1</u>	Project Title:	<u>Stormwater Financial Assistance</u>
Project Number:	<u>30000796</u>		

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities or granted or transferred to other governmental entities which will use the grant for nongovernmental* purposes? Yes No
6. If you have answered "Yes" to any of the questions above, will your agency or any other state agency receive any payments from any entity, other than the state or one of its agencies or departments or any local government units, for the use of, or in connection with, the project or assets? Yes No
7. Will any portion of the project or asset, or rights to any portion of the project or asset, ever be sold to any entity other than the state or one of its agencies or departments? Yes No
8. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No
9. Will any portion of the project or asset be used to perform sponsored research under an agreement with a nongovernmental person, such a business corporation or the federal government, including any federal department or agency? Yes No

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- If the answer to question 9 is yes, please provide a detailed explanation of the terms of any and all of such sponsored research agreements.

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Expected Use of Bond/COP Proceeds

Agency ID:	<u>461</u>	Agency Name:	<u>Department of Ecology</u>
Contact Name:	<u>Kimberly Wagar</u>	Email:	<u>kwag461@ecy.wa.gov</u>
Phone:	<u>(360) 407-6614</u>	Fund Name:	<u>State Building Construction Account</u>
Fund(s) Number:	<u>057-1</u>	Project Title:	<u>2015-17 Restored Stormwater Financial Assistance</u>
Project Number:	<u>30000797</u>		

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities or granted or transferred to other governmental entities which will use the grant for nongovernmental* purposes? Yes No
6. If you have answered "Yes" to any of the questions above, will your agency or any other state agency receive any payments from any entity, other than the state or one of its agencies or departments or any local government units, for the use of, or in connection with, the project or assets? Yes No
7. Will any portion of the project or asset, or rights to any portion of the project or asset, ever be sold to any entity other than the state or one of its agencies or departments? Yes No
8. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No
9. Will any portion of the project or asset be used to perform sponsored research under an agreement with a nongovernmental person, such a business corporation or the federal government, including any federal department or agency? Yes No

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- If the answer to any one of questions 1 through 5 is yes and answers to 6, 7, and 8 are no, request tax exempt funding.
- If the answer to any one of questions 1 through 5 is yes and 6 is yes, request taxable funding from Fund 355.
- If the answer to all of questions 1 through 6 are no and the answer to either question 7 or 8 is yes, request taxable funding from Fund 355.
- If the answer to question 9 is yes, please provide a detailed explanation of the terms of any and all of such sponsored research agreements.

Attach this form to your project in CBS. The Office of the State Treasurer, bond counsel, or the Office of Financial Management may review this form for any projects requested in the budget.

Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Department of Ecology
Contact Name:	Andrea McNamara Doyle		
Phone:	(360) 407-6548	Mail:	Mcma461@ecy.wa.gov
Fund(s) Number:	057	Fund Name:	State Building Construction Account
Project Number:	40000006	Project Title:	Catastrophic Flood Relief

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities (private or non-profit companies or the federal government) or granted or transferred to other governmental entities which will use the grant for nongovernmental purposes? Yes No
6. Is any portion of the project or asset, or rights to any portion of the project or asset, expected to be sold to any entity other than the state or one of its agencies or departments? Yes No
7. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No

If all of the answers are no, request tax-exempt funding. If the answer to any of the questions is yes, contact your OFM capital analyst for further review.

Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Department of Ecology
Contact Name:	Jim Skalski		
Phone:	360-407-6617	Fax:	
Fund(s) Number:	057	Fund Name:	State Building Construction Account
Project Number:	40000111	Project Title:	Sunnyside Valley Irrigation District Water Conservation

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities (private or non-profit companies or the federal government) or granted or transferred to other governmental entities which will use the grant for nongovernmental purposes? Yes No
6. Is any portion of the project or asset, or rights to any portion of the project or asset, expected to be sold to any entity other than the state or one of its agencies or departments? Yes No
7. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No

If all of the answers are no, request tax-exempt funding. If the answer to any of the questions is yes, contact your OFM capital analyst for further review.

Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Department of Ecology
Contact Name:	Stuart Clark		
Phone:	360-407-6880	Fax:	
Fund(s) Number:	057	Fund Name:	State Building Construction Account
Project Number:	40000115	Project Title:	2019-21 Reducing Toxic Diesel Emissions

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities (private or non-profit companies or the federal government) or granted or transferred to other governmental entities which will use the grant for nongovernmental purposes? Yes No
6. Is any portion of the project or asset, or rights to any portion of the project or asset, expected to be sold to any entity other than the state or one of its agencies or departments? Yes No
7. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No

If all of the answers are no, request tax-exempt funding. If the answer to any of the questions is yes, contact your OFM capital analyst for further review.

Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Department of Ecology
Contact Name:	Kimberly Wagar		
Phone:	360-407-6614	Fax:	
Fund(s) Number:	057	Fund Name:	State Building Construction Account
Project Number:	40000116	Project Title:	2019-21 Centennial Clean Water Program

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities (private or non-profit companies or the federal government) or granted or transferred to other governmental entities which will use the grant for nongovernmental purposes? Yes No
6. Is any portion of the project or asset, or rights to any portion of the project or asset, expected to be sold to any entity other than the state or one of its agencies or departments? Yes No
7. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No

If all of the answers are no, request tax-exempt funding. If the answer to any of the questions is yes, contact your OFM capital analyst for further review.

Expected Use of Bond/COP Proceeds

Agency ID:	<u>461</u>	Agency Name:	<u>Department of Ecology</u>
Contact Name:	<u>Angie Wirkkala</u>	Email:	<u>angie.wirkkala@ecy.wa.gov</u>
Phone:	<u>(360) 407-7219</u>	Fund Name:	<u>State Building Construction Account</u>
Fund(s) Number:	<u>057</u>	Project Title:	<u>Eastern Washington Clean Sites Initiative</u>
Project Number:	<u>40000117</u>		

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities or granted or transferred to other governmental entities which will use the grant for nongovernmental* purposes? Yes No
6. If you have answered "Yes" to any of the questions above, will your agency or any other state agency receive any payments from any entity, other than the state or one of its agencies or departments or any local government units, for the use of, or in connection with, the project or assets? Yes No
7. Will any portion of the project or asset, or rights to any portion of the project or asset, ever be sold to any entity other than the state or one of its agencies or departments? Yes No
8. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No
9. Will any portion of the project or asset be used to perform sponsored research under an agreement with a nongovernmental person, such a business corporation or the federal government, including any federal department or agency? Yes No

***Nongovernmental purposes is defined in the Glossary and examples provided in Section 4.3 of the Capital Budget Instructions.**

- If the answer to any one of questions 1 through 5 is yes and answers to 6, 7, and 8 are no, request tax exempt funding.
- If the answer to any one of questions 1 through 5 is yes and 6 is yes, request taxable funding from Fund 355.
- If the answer to all of questions 1 through 6 are no and the answer to either question 7 or 8 is yes, request taxable funding from Fund 355.
- If the answer to question 9 is yes, please provide a detailed explanation of the terms of any and all of such sponsored research agreements.

Attach this form to your project in CBS. The Office of the State Treasurer, bond counsel, or the Office of Financial Management may review this form for any projects requested in the budget.

Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Department of Ecology
Contact Name:	Matthew Vandrush-Borgacz		
Phone:	(360) 407-6646	Fax:	
Fund(s) Number:	057	Fund Name:	State Building Construction Account
Project Number:	40000126	Project Title:	2019-21 Reducing Toxic Woodstove Emissions

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities (private or non-profit companies or the federal government) or granted or transferred to other governmental entities which will use the grant for nongovernmental purposes? Yes No
6. Is any portion of the project or asset, or rights to any portion of the project or asset, expected to be sold to any entity other than the state or one of its agencies or departments? Yes No
7. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No

If all of the answers are no, request tax-exempt funding. If the answer to any of the questions is yes, contact your OFM capital analyst for further review.

Expected Use of Bond/COP Proceeds

Agency ID:	<u>461</u>	Agency Name:	<u>Department of Ecology</u>
Contact Name:	<u>Scott McKinney</u>	Email:	<u>Scott.mckinney@ecy.wa.gov</u>
Phone:	<u>360 407 6131</u>	Fund Name:	<u>State Building Construction Account</u>
Fund(s) Number:	<u>057</u>	Project Title:	<u>Floodplains by Design</u>
Project Number:	<u>40000129</u>		

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities or granted or transferred to other governmental entities which will use the grant for nongovernmental* purposes? Yes No
6. If you have answered "Yes" to any of the questions above, will your agency or any other state agency receive any payments from any entity, other than the state or one of its agencies or departments or any local government units, for the use of, or in connection with, the project or assets? Yes No
7. Will any portion of the project or asset, or rights to any portion of the project or asset, ever be sold to any entity other than the state or one of its agencies or departments? Yes No
8. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No
9. Will any portion of the project or asset be used to perform sponsored research under an agreement with a nongovernmental person, such a business corporation or the federal government, including any federal department or agency? Yes No

***Nongovernmental purposes is defined in the Glossary and examples provided in Section 4.3 of the Capital Budget Instructions.**

- If the answer to any one of questions 1 through 5 is yes and answers to 6, 7, and 8 are no, request tax exempt funding.
- If the answer to any one of questions 1 through 5 is yes and 6 is yes, request taxable funding from Fund 355.
- If the answer to all of questions 1 through 6 are no and the answer to either question 7 or 8 is yes, request taxable funding from Fund 355.
- If the answer to question 9 is yes, please provide a detailed explanation of the terms of any and all of such sponsored research agreements.

Attach this form to your project in CBS. The Office of the State Treasurer, bond counsel, or the Office of Financial Management may review this form for any projects requested in the budget.

Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Department of Ecology
Contact Name:	Angie Wirkkala	Fax:	
Phone:	360-407-7219	Fund Name:	State Building Construction Account
Fund(s) Number:	057	Project Title:	2019-21 Clean Up Toxic Sites – Puget Sound
Project Number:	40000130		

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities (private or non-profit companies or the federal government) or granted or transferred to other governmental entities which will use the grant for nongovernmental purposes? Yes No
6. Is any portion of the project or asset, or rights to any portion of the project or asset, expected to be sold to any entity other than the state or one of its agencies or departments? Yes No
7. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No

If all of the answers are no, request tax-exempt funding. If the answer to any of the questions is yes, contact your OFM capital analyst for further review.

Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Department of Ecology
Contact Name:	Kimberly Wagar		
Phone:	360-407-6614	Fax:	
Fund(s) Number:	057	Fund Name:	State Building Construction Account
Project Number:	40000144	Project Title:	Stormwater Financial Assistance

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities (private or non-profit companies or the federal government) or granted or transferred to other governmental entities which will use the grant for nongovernmental purposes? Yes No
6. Is any portion of the project or asset, or rights to any portion of the project or asset, expected to be sold to any entity other than the state or one of its agencies or departments? Yes No
7. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No

If all of the answers are no, request tax-exempt funding. If the answer to any of the questions is yes, contact your OFM capital analyst for further review.

Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Ecology
Contact Name:	Jason Norberg	Email:	Jnor461@ecy.wa.gov
Phone:	360-407-6829	Fund Name:	State Building Construction Account
Fund(s) Number:	057	Project Title:	Lacey HQ Parking Garage Preservation
Project Number:	40000145		

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities (private or non-profit companies or the federal government) or granted or transferred to other governmental entities which will use the grant for nongovernmental purposes? Yes No
6. Is any portion of the project or asset, or rights to any portion of the project or asset, expected to be sold to any entity other than the state or one of its agencies or departments? Yes No
7. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No

If all of the answers are no, request tax-exempt funding. If the answer to any of the questions is yes, contact your OFM capital analyst for further review.

Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Ecology
Contact Name:	Jason Norberg	Email:	Jnor461@ecy.wa.gov
Phone:	360-407-6829	Fund Name:	State Building Construction Account
Fund(s) Number:	057	Project Title:	Lacey HQ Roof Replacement
Project Number:	40000148		

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities (private or non-profit companies or the federal government) or granted or transferred to other governmental entities which will use the grant for nongovernmental purposes? Yes No
6. Is any portion of the project or asset, or rights to any portion of the project or asset, expected to be sold to any entity other than the state or one of its agencies or departments? Yes No
7. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No

If all of the answers are no, request tax-exempt funding. If the answer to any of the questions is yes, contact your OFM capital analyst for further review.

Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Department of Ecology
Contact Name:	Angie Wirkkala		
Phone:	360-407-7219	Fax:	
Fund(s) Number:	057	Fund Name:	State Building Construction Account
Project Number:	40000149	Project Title:	Healthy Housing Remediation Program

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities (private or non-profit companies or the federal government) or granted or transferred to other governmental entities which will use the grant for nongovernmental purposes? Yes No
6. Is any portion of the project or asset, or rights to any portion of the project or asset, expected to be sold to any entity other than the state or one of its agencies or departments? Yes No
7. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No

If all of the answers are no, request tax-exempt funding. If the answer to any of the questions is yes, contact your OFM capital analyst for further review.

Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Ecology
Contact Name:	Jason Norberg		
Phone:	360-407-6829	Fax:	
Fund(s) Number:	057	Fund Name:	State Building Construction Account
Project Number:	40000150	Project Title:	Lacey HQ Building Envelope Repairs

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments?
 Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments?
 Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments?
 Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply?
 Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities (private or non-profit companies or the federal government) or granted or transferred to other governmental entities which will use the grant for nongovernmental purposes?
 Yes No
6. Is any portion of the project or asset, or rights to any portion of the project or asset, expected to be sold to any entity other than the state or one of its agencies or departments?
 Yes No
7. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes?
 Yes No

If all of the answers are no, request tax-exempt funding. If the answer to any of the questions is yes, contact your OFM capital analyst for further review.

Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Department of Ecology
Contact Name:	Kimberly Wagar		
Phone:	360-407-6614	Fax:	360-407-6426
Fund(s) Number:	355	Fund Name:	State Taxable Building Construction Account
Project Number:	40000151	Project Title:	2019-21 State Match Water Pollution Control Revolving Program

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities (private or non-profit companies or the federal government) or granted or transferred to other governmental entities which will use the grant for nongovernmental purposes? Yes No
6. Is any portion of the project or asset, or rights to any portion of the project or asset, expected to be sold to any entity other than the state or one of its agencies or departments? Yes No
7. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No

If all of the answers are no, request tax-exempt funding. If the answer to any of the questions is yes, contact your OFM capital analyst for further review.

Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Department of Ecology
Contact Name:	Jim Skalski		
Phone:	360.407.6617	Email:	Jska461@ecy.wa.gov
Fund(s) Number:	10P, 18B, 057, 255	Fund Name:	Multiple
Project Number:	40000152	Project Title:	2019-21 Columbia River Water Supply Development Program

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities (private or non-profit companies or the federal government) or granted or transferred to other governmental entities which will use the grant for nongovernmental purposes? Yes No
6. Is any portion of the project or asset, or rights to any portion of the project or asset, expected to be sold to any entity other than the state or one of its agencies or departments? Yes No
7. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No

If all of the answers are no, request tax-exempt funding. If the answer to any of the questions is yes, contact your OFM capital analyst for further review.

Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Department of Ecology
Contact Name:	Jim Skalski	Email:	Jska461@ecy.wa.gov
Phone:	360.407.6617		Watershed Restoration and Enhancement Bond Account,
Fund(s) Number:	366	Fund Name:	Watershed Restoration and Enhancement Taxable Bond Account
Project Number:	40000177	Project Title:	2019-21 Streamflow Restoration Program

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities (private or non-profit companies or the federal government) or granted or transferred to other governmental entities which will use the grant for nongovernmental purposes? Yes No
6. Is any portion of the project or asset, or rights to any portion of the project or asset, expected to be sold to any entity other than the state or one of its agencies or departments? Yes No
7. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No

If all of the answers are no, request tax-exempt funding. If the answer to any of the questions is yes, contact your OFM capital analyst for further review.

Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Department of Ecology
Contact Name:	Jim Skalski	Email:	jska@ecy.wa.gov
Phone:	360.407.6617	Fund Name:	State Building Construction Account
Fund(s) Number:	057	Project Title:	2019-21 Drought and Climate Preparedness & Response
Project Number:	40000178		

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities (private or non-profit companies or the federal government) or granted or transferred to other governmental entities which will use the grant for nongovernmental purposes? Yes No
6. Is any portion of the project or asset, or rights to any portion of the project or asset, expected to be sold to any entity other than the state or one of its agencies or departments? Yes No
7. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No

If all of the answers are no, request tax-exempt funding. If the answer to any of the questions is yes, contact your OFM capital analyst for further review.

Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Department of Ecology
Contact Name:	Jim Skalski	Email:	Jska461@ecy.wa.gov
Phone:	360.407.6617	Fund Name:	State Building Construction Account and State Taxable Building Constrction Account
Fund(s) Number:	057 and 355	Project Title:	Yakima River Basin Water Supply
Project Number:	40000179		

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities (private or non-profit companies or the federal government) or granted or transferred to other governmental entities which will use the grant for nongovernmental purposes? Yes No
6. Is any portion of the project or asset, or rights to any portion of the project or asset, expected to be sold to any entity other than the state or one of its agencies or departments? Yes No
7. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No

If all of the answers are no, request tax-exempt funding. If the answer to any of the questions is yes, contact your OFM capital analyst for further review.

Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Department of Ecology
Contact Name:	Jim Skalski		
Phone:	360-407-6617	Fax:	
Fund(s) Number:	072	Fund Name:	State and Local Improvements Revolving Account
Project Number:	40000193	Project Title:	Zosel Dam Preservation

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities (private or non-profit companies or the federal government) or granted or transferred to other governmental entities which will use the grant for nongovernmental purposes? Yes No
6. Is any portion of the project or asset, or rights to any portion of the project or asset, expected to be sold to any entity other than the state or one of its agencies or departments? Yes No
7. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No

If all of the answers are no, request tax-exempt funding. If the answer to any of the questions is yes, contact your OFM capital analyst for further review.

Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Department of Ecology
Contact Name:	Angie Wirkkala		
Phone:	(360) 407-7219	Email:	Angie.wirkkala@ecy.wa.gov
Fund(s) Number:	057	Fund Name:	State Building Construction Account
Project Number:	40000194	Project Title:	2019-21 Protect Investments in Cleanup Remedies

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities (private or non-profit companies or the federal government) or granted or transferred to other governmental entities which will use the grant for nongovernmental purposes? Yes No
6. Is any portion of the project or asset, or rights to any portion of the project or asset, expected to be sold to any entity other than the state or one of its agencies or departments? Yes No
7. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No

If all of the answers are no, request tax-exempt funding. If the answer to any of the questions is yes, contact your OFM capital analyst for further review.

Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Ecology
Contact Name:	Jason Norberg		
Phone:	360-407-6829	Fax:	
Fund(s) Number:	057	Fund Name:	State Building Construction Account
Project Number:	40000207	Project Title:	Lacey HQ Facility Preservation Projects—Minor Works

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities (private or non-profit companies or the federal government) or granted or transferred to other governmental entities which will use the grant for nongovernmental purposes? Yes No
6. Is any portion of the project or asset, or rights to any portion of the project or asset, expected to be sold to any entity other than the state or one of its agencies or departments? Yes No
7. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No

If all of the answers are no, request tax-exempt funding. If the answer to any of the questions is yes, contact your OFM capital analyst for further review.

Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Department of Ecology
Contact Name:	Andrea McNamara Doyle		
Phone:	(360) 407-6548	Mail:	Mcma461@ecy.wa.gov
Fund(s) Number:	057	Fund Name:	State Building Construction Account
Project Number:	40000209	Project Title:	Chehalis Basin Strategy

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities (private or non-profit companies or the federal government) or granted or transferred to other governmental entities which will use the grant for nongovernmental purposes? Yes No
6. Is any portion of the project or asset, or rights to any portion of the project or asset, expected to be sold to any entity other than the state or one of its agencies or departments? Yes No
7. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No

If all of the answers are no, request tax-exempt funding. If the answer to any of the questions is yes, contact your OFM capital analyst for further review.

Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Department of Ecology
Contact Name:	Angie Wirkkala		
Phone:	360-407-7219	Fax:	
Fund(s) Number:	057	Fund Name:	State Building Construction Account
Project Number:	40000211	Project Title:	2019-21 Remedial Action Grant

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities (private or non-profit companies or the federal government) or granted or transferred to other governmental entities which will use the grant for nongovernmental purposes? Yes No
6. Is any portion of the project or asset, or rights to any portion of the project or asset, expected to be sold to any entity other than the state or one of its agencies or departments? Yes No
7. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No

If all of the answers are no, request tax-exempt funding. If the answer to any of the questions is yes, contact your OFM capital analyst for further review.

Expected Use of Bond/COP Proceeds

Agency No. 461	Agency Name Department of Ecology	Department of Ecology	
Contact Name: Lauren Driscoll			
Phone: 360-407-7045	Fax: 360-407-6902		
Fund(s) Number: 057	Fund Name: State Building Construction Acct		
Project Number: 91000007	Project Title: Habitat Mitigation		

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities or granted or transferred to other governmental entities which will use the grant for nongovernmental* purposes? Yes No
6. If you have answered "Yes" to any of the questions above, will your agency or any other state agency receive any payments from any entity, other than the state or one of its agencies or departments or any local government units, for the use of, or in connection with, the project or assets? Yes No
7. Will any portion of the project or asset, or rights to any portion of the project or asset, ever be sold to any entity other than the state or one of its agencies or departments? Yes No
8. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No
9. Will any portion of the project or asset be used to perform sponsored research under an agreement with a nongovernmental person, such a business corporation or the federal government, including any federal department or agency? Yes No

***Nongovernmental purposes is defined in the Glossary and examples provided in Section 4.3 of the Capital Budget Instructions.**

- If the answer to any one of questions 1 through 5 is yes and answers to 6, 7, and 8 are no, request tax exempt funding.
- If the answer to any one of questions 1 through 5 is yes and 6 is yes, request taxable funding from Fund 355.
- If the answer to all of questions 1 through 6 are no and the answer to either question 7 or 8 is yes, request taxable funding from Fund 355.
- If the answer to question 9 is yes, please provide a detailed explanation of the terms of any and all of such sponsored research agreements.

Attach this form to your project in CBS. The Office of the State Treasurer, bond counsel, or the Office of Financial Management may review this form for any projects requested in the budget.

Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Ecology
Contact Name:	Jim Skalski		
Phone:	360-407-6617	Fax:	
Fund(s) Number:	057	Fund Name:	State Building Construction Account
Project Number:	91000181	Project Title:	Skagit Mitigation

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities or granted or transferred to other governmental entities which will use the grant for nongovernmental* purposes? Yes No
6. If you have answered "Yes" to any of the questions above, will your agency or any other state agency receive any payments from any entity, other than the state or one of its agencies or departments or any local government units, for the use of, or in connection with, the project or assets? Yes No
7. Will any portion of the project or asset, or rights to any portion of the project or asset, ever be sold to any entity other than the state or one of its agencies or departments? Yes No
8. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No
9. Will any portion of the project or asset be used to perform sponsored research under an agreement with a nongovernmental person, such as a business corporation or the federal government, including any federal department or agency? Yes No

***Nongovernmental purposes is defined in the Glossary and examples provided in Section 4.3 of the Capital Budget Instructions.**

- If the answer to any one of questions 1 through 5 is yes and answers to 6, 7, and 8 are no, request tax exempt funding.
- If the answer to any one of questions 1 through 5 is yes and 6 is yes, request taxable funding from Fund 355.
- If the answer to all of questions 1 through 6 are no and the answer to either question 7 or 8 is yes, request taxable funding from Fund 355.
- If the answer to question 9 is yes, please provide a detailed explanation of the terms of any and all of such sponsored research agreements.

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Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Department of Ecology
Contact Name:	Angie Wirkkala		
Phone:	360-407-7219	Fax:	
Fund(s) Number:	057	Fund Name:	State Building Construction Account
Project Number:	91000338	Project Title:	Integrated Planning Grant: Port Townsend

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities (private or non-profit companies or the federal government) or granted or transferred to other governmental entities which will use the grant for nongovernmental purposes? Yes No
6. Is any portion of the project or asset, or rights to any portion of the project or asset, expected to be sold to any entity other than the state or one of its agencies or departments? Yes No
7. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No

If all of the answers are no, request tax-exempt funding. If the answer to any of the questions is yes, contact your OFM capital analyst for further review.

Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Department of Ecology
Contact Name:	Jim Skalski		
Phone:	360.407.6617	Email:	Jska461@ecy.wa.gov
			Watershed Restoration and Enhancement Bond Account,
Fund(s) Number:	366	Fund Name:	Watershed Restoration and Enhancement Taxable Bond Account
Project Number:	91000343	Project Title:	Water Availability

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities (private or non-profit companies or the federal government) or granted or transferred to other governmental entities which will use the grant for nongovernmental purposes? Yes No
6. Is any portion of the project or asset, or rights to any portion of the project or asset, expected to be sold to any entity other than the state or one of its agencies or departments? Yes No
7. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No

If all of the answers are no, request tax-exempt funding. If the answer to any of the questions is yes, contact your OFM capital analyst for further review.

Expected Use of Bond/COP Proceeds

Agency No.	461	Agency Name	Department of Ecology
Contact Name:	Jim Skalski		
Phone:	360-407-6617	Fax:	
Fund(s) Number:	057	Fund Name:	State Building Construction Account
Project Number:	91000347	Project Title:	Skagit Water

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities (private or non-profit companies or the federal government) or granted or transferred to other governmental entities which will use the grant for nongovernmental purposes? Yes No
6. Is any portion of the project or asset, or rights to any portion of the project or asset, expected to be sold to any entity other than the state or one of its agencies or departments? Yes No
7. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No

If all of the answers are no, request tax-exempt funding. If the answer to any of the questions is yes, contact your OFM capital analyst for further review.

Expected Use of Bond/COP Proceeds

Agency ID:	<u>461</u>	Agency Name:	<u>Department of Ecology</u>
Contact Name:	<u>Kimberly Wagar</u>	Email:	<u>kwag461@ecy.wa.gov</u>
Phone:	<u>(360) 407-6614</u>	Fund Name:	<u>State Building Construction Account</u>
Fund(s) Number:	<u>057-1</u>	Project Title:	<u>Stormwater Improvements</u>
Project Number:	<u>92000076</u>		

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities or granted or transferred to other governmental entities which will use the grant for nongovernmental* purposes? Yes No
6. If you have answered "Yes" to any of the questions above, will your agency or any other state agency receive any payments from any entity, other than the state or one of its agencies or departments or any local government units, for the use of, or in connection with, the project or assets? Yes No
7. Will any portion of the project or asset, or rights to any portion of the project or asset, ever be sold to any entity other than the state or one of its agencies or departments? Yes No
8. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No
9. Will any portion of the project or asset be used to perform sponsored research under an agreement with a nongovernmental person, such a business corporation or the federal government, including any federal department or agency? Yes No

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- If the answer to any one of questions 1 through 5 is yes and answers to 6, 7, and 8 are no, request tax exempt funding.
- If the answer to any one of questions 1 through 5 is yes and 6 is yes, request taxable funding from Fund 355.
- If the answer to all of questions 1 through 6 are no and the answer to either question 7 or 8 is yes, request taxable funding from Fund 355.
- If the answer to question 9 is yes, please provide a detailed explanation of the terms of any and all of such sponsored research agreements.

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Expected Use of Bond/COP Proceeds

Agency No.	0461	Agency Name	Department of Ecology
Contact Name:	Scott McKinney		
Phone:	360 407-6131	Fax:	360 407-7162
Fund(s) Number:	057	Fund Name:	State Building Construction Account
Project Number:	92000078	Project Title:	Flood Management and Control Grants

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities or granted or transferred to other governmental entities which will use the grant for nongovernmental* purposes? Yes No
6. If you have answered "Yes" to any of the questions above, will your agency or any other state agency receive any payments from any entity, other than the state or one of its agencies or departments or any local government units, for the use of, or in connection with, the project or assets? Yes No
7. Will any portion of the project or asset, or rights to any portion of the project or asset, ever be sold to any entity other than the state or one of its agencies or departments? Yes No
8. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No
9. Will any portion of the project or asset be used to perform sponsored research under an agreement with a nongovernmental person, such as a business corporation or the federal government, including any federal department or agency? Yes No

***Nongovernmental purposes is defined in the Glossary and examples provided in Section 4.3 of the Capital Budget Instructions.**

- If the answer to any one of questions 1 through 5 is yes and answers to 6, 7, and 8 are no, request tax exempt funding.
- If the answer to any one of questions 1 through 5 is yes and 6 is yes, request taxable funding from Fund 355.
- If the answer to all of questions 1 through 6 are no and the answer to either question 7 or 8 is yes, request taxable funding from Fund 355.
- If the answer to question 9 is yes, please provide a detailed explanation of the terms of any and all of such sponsored research agreements.

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Expected Use of Bond/COP Proceeds

Agency ID:	<u>461</u>	Agency Name:	<u>Department of Ecology</u>
Contact Name:	<u>Angie Wirkkala</u>	Email:	<u>Angie.wirkkala@ecy.wa.gov</u>
Phone:	<u>(360) 407-7219</u>	Fund Name:	<u>State Building Construction Account</u>
Fund(s) Number:	<u>057</u>	Project Title:	<u>Water Treatment Plant (Lakewood)</u>
Project Number:	<u>92000156</u>		

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities or granted or transferred to other governmental entities which will use the grant for nongovernmental* purposes? Yes No
6. If you have answered "Yes" to any of the questions above, will your agency or any other state agency receive any payments from any entity, other than the state or one of its agencies or departments or any local government units, for the use of, or in connection with, the project or assets? Yes No
7. Will any portion of the project or asset, or rights to any portion of the project or asset, ever be sold to any entity other than the state or one of its agencies or departments? Yes No
8. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No
9. Will any portion of the project or asset be used to perform sponsored research under an agreement with a nongovernmental person, such a business corporation or the federal government, including any federal department or agency? Yes No

***Nongovernmental purposes is defined in the Glossary and examples provided in Section 4.3 of the Capital Budget Instructions.**

- If the answer to any one of questions 1 through 5 is yes and answers to 6, 7, and 8 are no, request tax exempt funding.
- If the answer to any one of questions 1 through 5 is yes and 6 is yes, request taxable funding from Fund 355.
- If the answer to all of questions 1 through 6 are no and the answer to either question 7 or 8 is yes, request taxable funding from Fund 355.
- If the answer to question 9 is yes, please provide a detailed explanation of the terms of any and all of such sponsored research agreements.

Attach this form to your project in CBS. The Office of the State Treasurer, bond counsel, or the Office of Financial Management may review this form for any projects requested in the budget.

Expected Use of Bond/COP Proceeds

Agency ID:	<u>461</u>	Agency Name:	<u>Department of Ecology</u>
Contact Name:	<u>Angie Wirkkala</u>	Email:	<u>Angie.wirkkala@ecy.wa.gov</u>
Phone:	<u>(360) 407-7219</u>	Fund Name:	<u>State Building Construction Account</u>
Fund(s) Number:	<u>057</u>	Project Title:	<u>Port of Tacoma Arkema/Dunlap Mound</u>
Project Number:	<u>92000158</u>		

1. Will any portion of the project or asset ever be owned by any entity other than the state or one of its agencies or departments? Yes No
2. Will any portion of the project or asset ever be leased to any entity other than the state or one of its agencies or departments? Yes No
3. Will any portion of the project or asset ever be managed or operated by any entity other than the state or one of its agencies or departments? Yes No
4. Does the project involve a public/private venture, or will any entity other than the state or one of its agencies or departments ever have a special priority or other right to use any portion of the project or asset to purchase or otherwise acquire any output of the project or asset such as electric power or water supply? Yes No
5. Will any portion of the Bond/COP proceeds be granted or transferred to nongovernmental entities or granted or transferred to other governmental entities which will use the grant for nongovernmental* purposes? Yes No
6. If you have answered "Yes" to any of the questions above, will your agency or any other state agency receive any payments from any entity, other than the state or one of its agencies or departments or any local government units, for the use of, or in connection with, the project or assets? Yes No
7. Will any portion of the project or asset, or rights to any portion of the project or asset, ever be sold to any entity other than the state or one of its agencies or departments? Yes No
8. Will any portion of the Bond/COP proceeds be loaned to nongovernmental entities or loaned to other governmental entities that will use the loan for nongovernmental purposes? Yes No
9. Will any portion of the project or asset be used to perform sponsored research under an agreement with a nongovernmental person, such a business corporation or the federal government, including any federal department or agency? Yes No

***Nongovernmental purposes is defined in the Glossary and examples provided in Section 4.3 of the Capital Budget Instructions.**

- If the answer to any one of questions 1 through 5 is yes and answers to 6, 7, and 8 are no, request tax exempt funding.
- If the answer to any one of questions 1 through 5 is yes and 6 is yes, request taxable funding from Fund 355.
- If the answer to all of questions 1 through 6 are no and the answer to either question 7 or 8 is yes, request taxable funding from Fund 355.
- If the answer to question 9 is yes, please provide a detailed explanation of the terms of any and all of such sponsored research agreements.

Attach this form to your project in CBS. The Office of the State Treasurer, bond counsel, or the Office of Financial Management may review this form for any projects requested in the budget.