## 2022 - 2027 Six-Year CIP Project Allocations + Carryover Attachment H May 5, 2022

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No Title	Basin	Type of project	2022 Adopted	2021 Carryover	2022 Reallocation Request	2022 Revised	2023 Projected	2024 Projected	2025 Projected	2026 Projected	2027 Projected	Total (Including 2021 Carryover)	CIS Year 7-10	CIS 10+ Year	Project Life Total	Comments
1 WLFL0 SF SKYKMSH REP LOSS MIT	SF Skykomish	FCD Acqu/Elev	\$800,000	\$1,028,555	\$671,445		\$800,000	\$800,000	\$800,000	,	\$800,000	\$6,500,000	real 7-10	10+ real		Baring. This project will elevate or buyout individual structures in the South Fork Skykomish Basin to eliminate the risk of flooding or erosion damage during future flood events.
2 WLFL0 SKYKOMISH LB DOWN 2016 REPAIR	SF Skykomish	FCD Const	φοσο,σσσ	\$64,599	(\$64.599)	\$0	\$0	\$0	\$0	\$0	\$0	\$0				Skrykomish. Approximately 50-foot-long section of missing armor rock immediately downstream of the bridge. Further flooding may compromise or severely damage facility.
			\$240,000		(\$04,533)	\$940,000	000 000	\$800,000	000 000	000 000	000 000	\$4.840.000				Skykomish. This project will continue to acquire and remove homes along a stretch of the Skykomish River that are endangered by erosive
3 WLFLO TIMBER LN EROSN BUYOUTS	SF Skykomish	FCD Acqu/Elev	\$340,000	\$500,000	(\$0.000)	\$840,000	\$800,000	\$600,000	\$800,000	\$800,000	\$800,000	\$4,840,000				forces as well as inundation in some places.  Skykomish. Project will lay back the privately-built rockery to reconstruct rock wall into stable revetment geometry. Will likely be implemented
4 WLFL0 TIMBERLANE 2016 REPAIR	SF Skykomish	FCD Const		\$2,909	(\$2,909)	\$0	\$0	\$0	\$0	\$0	\$0	\$0				by the Strike Team. Skykomish. Revetment is approximately 300 LF along left bank of South Fork Skykomish River. Unstable section of vertical stacked rock is
5 WLFL0 TIMBERLANE 2019 REPAIR	SF Skykomish	FCD Const		\$155,678	(\$147,678)	\$8,000	\$0	\$0	\$0_	\$0	\$0	\$8,000			\$553,246	approximately 150 LF (needs verification). Failure has occurred previously in this section of revetment.  North Bend. Cost-share of \$8.4M levee setback project. The levee overtops at a 20-year or greater flood, inundating undeveloped property,
6 WLFL1 BENDIGO UPR SETBACK N BEND	Upper Snoq	Agreement		\$48,649		\$48,649	\$0	\$0	\$0	\$0	\$4,200,000	\$4,248,649			\$4,250,000	railway lines and roadways. Project would reconnect 25 acres of floodplain and construct a new levee that meets current engineering quidelines. City has submitted grant application for the remaining \$4.2 million.
7 WLFL1 CIRCLE RVR RANCH RISK RED	Upper Snoq	FCD Const	\$196,305	\$26,470		\$222,775	\$193,500	\$145,695	\$3,023,030	\$0	\$0	\$3,585,000			\$4,552,147	North Bend. This project will determine a preferred action to reduce long term risks from channel migration in the Circle River Ranch Neighborhood on the South Fork Snoqualmie River. Being conducted concurrent with South Fork Snoqualmie Corridor Plan.
8 WLFL1 MASON THORSON ELLS 2022 REPAIR	Upper Snoq	FCD Const	\$105,000	\$0	\$50,000	\$155,000						\$155,000			\$155,000	Provide 20% local match to repair erosion to the downstream end of the Mason Thorson Ells levee under the US Army Corps of Engineers (USACE) PL 84-99 Levee Rehabilitation and Inspection Program (RIP). The downstream 60-feet of the levee was damaged during the February 2020 flood event and the proposed project will repair the damage and reduce future erosion risk to the facility.
9 WLFL1 MF FLOOD CONVEYANCE N BEND	Upper Snog	Agreement	\$150,000	\$148.915		\$298.915	\$1,500,000	\$0	\$0	\$0	\$0	\$1,798,915			\$1.800.000	North Bend. Overflow channels originating from the Middle Fork Snoqualmie River flow through neighborhoods and cross roads creating risk to homes and infrastructure. Potential solutions include channel modifications, enhancements, and culvert improvements.
10 WLFL1 MF RESIDENTIAL FLD MTGTN	Upper Snoq	FCD Acqu/Elev	\$2,887,769	\$386.075	(\$1,000,000)	\$2,273,844	\$2,887,769	\$1,830,000	\$2,265,000	\$2,265,000	φ <sub>0</sub>	\$11,521,613			, , , ,	North Bend. Work with willing sellers to acquire eighteen homes at risk from channel migration along the Middle Fork (Project E in the draft
11 WLFL1 MF SNO CORRIDOR PLAN	Upper Snoq	FCD Const	Ψ2,007,709	\$145,382	(\$145,382)	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$1,707,115	Capital Investment Strategy) North Bend. Middle Fork Snoqualmie Corridor Planning, completed in 2020.
12 WLFL1 NF SNOQUALMIE RES FLD MIT	Upper Snoq	FCD Const	\$2,000,000	\$0		\$2,000,000						\$2,000,000			\$2,000,000	Acquire flood-prone properties in the North Fork Snoqualmie basin to reduce the risk of flood, erosion, and channel migration damage and secure footprints for future capital projects.
				24.000		44 000	0.0	***		90	0.0	24.000			<b>0704000</b>	North Bend. Replace two existing rusted out 48" corrugated metal pipes on Norman Creek under 428th Ave SE with a new precast concrete box culvert. The new culvert will reduce the time it takes to drain the flood waters off of private property by increasing the capacity of the crossing. Currently when the North Fork Snoqualmie River overflows water backs up against 428th and impedes use of the roadway as the Norman Creek crossing is the normal outflow for this flood water once the North Fork has overtopped the adjacent levees.
13 WLFL1 NORMAN CREEK DS CULV 14 WLFL1 NORMAN CREEK US 2024 CULV	Upper Snoq Upper Snoq	Agreement Agreement		\$1,920 \$0		\$1,920 \$0	\$0 \$350,000	\$0 \$750,000	\$0 \$0	\$0 \$0	\$0 \$0	\$1,920 \$1,100,000			\$724,000 \$1,100,000	North Bend. Improve SE 92nd Street, east of 428th Street, and alleviate roadway flooding by installing a new box culvert.
15 WLFL1 NORTH FORK BRIDGE FEASIBILITY	Upper Snoq	Agreement		\$132,142		\$132,142	\$0	\$0	\$0	\$0	\$0	\$132,142				North Bend. Initiate feasibility study to mitigate the risk of scour damage to the North Fork Bridge by retrofitting the existing structure with deep foundations or alternative risk mitigation strategies.
																Snoqualmie. Repair downstream 200 lineal feet of facility which is missing face rock and toe rock. A significant scour hole has formed around a City of Snoqualmie stormwater outfall pipe at the downstream end of facility. Potential erosion impact to Park Ave SE in City of Snoqualmie, an area included in the City's planned "Riverwalk" park and trail project. Project implemented by City of Snoqualmie as part of Riverwalk
16 WLFL1 RECORD OFFICE 2016 REPAIR	Upper Snoq	Agreement		\$1,667,295		\$1,667,295	\$0	\$0	\$0	\$0	\$0	\$1,667,295			\$3,883,278	project, construction is scheduled for 2021.  North Bend. Conduct a feasibility study to determine ways of preventing the overtopping of the Reif Rd Levee. Potential solutions include:
17 WLFL1 REIF RD LEVEE IMPROVEMENTS 18 WLFL1 REINIG RD ELEVATION	Upper Snoq Upper Snoq	FCD Const Agreement		\$0 \$0	\$67,000	\$67,000 \$0	\$265,438 \$0	\$318,421 \$50,000	\$385,937 \$100,000		\$0 \$0	\$1,494,014 \$150,000			\$1,494,014 \$150,394	repair and/or raise levee in place / setback levee / gravel removal / home elevations.  Snoqualmie. Elevate low section of Reinig Rd to alleviate flooding that blocks roadway.
19 WLFL1 REINIG RD RVTMNT 2016 REPAIR	Upper Snoq	FCD Const	\$655,000	(\$614,093)	\$485,093	\$526,000	\$20,000	\$0	\$0	\$0	\$0	\$546,000			\$6,891,008	North Bend. Repair three primary damage sites just upstream and directly across from the South Fork Snoqualmie confluence totaling ~285 lineal feet. Construction is anticipated in 2021.
20 WLFL1 RIBARY CREEK	Upper Snoq	Agreement	\$316,168	\$613,796		\$929,964	\$1,170,761	\$4,998,233	\$0	\$0	\$0	\$7,098,957			\$7,121,653	North Bend. Address flooding from Ribary Creek at Bendigo Blvd in North Bend as the Snoqualmie levees prevent drainage to the river during high flows.
21 WLFL1 SF CIS LONG TERM 22 WLFL1 SF CIS MED TERM	Upper Snoq Upper Snoq	FCD Const FCD Const		\$0 \$0		\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0		\$0 \$0	\$0 \$0	\$47,200,000	\$57,100,000		North Bend. Implement projects identified in the Capital Investment Strategy, approved as policy direction by the Executive Committee.  North Bend. Implement projects identified in the Capital Investment Strategy, approved as policy direction by the Executive Committee.
23 WLFL1 SF SNO LEVEE REMEDIATION	Upper Snoq	FCD Const	\$5,022	\$0	(\$5,022)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	ψ 11 ,E00,000			North Bend. Six levee deficiencies have been identified in this leveed segment. The project will design and reconstruct the impaired segment of levee in place.
24 WLFL1 SHAKE MILL LB 2016 REPAIR	Upper Snoq	FCD Const	Ψ0,022	\$202,109	(\$0,022)	\$202,109	\$0	\$0	\$0	\$0	\$0	\$202,109				North Bend. Total breach of levee - erosion and lateral channel migration is ongoing. No immediately adjacent private property or infrastructure. Continued erosion could threaten 428th Ave embankment or bridge.
			ΦF 000				ФО	Φ0	Φ0	\$0	ф0					North Bend. Between 428th St Bridge and Tate Creek, several locations on levee where toe-rock dislodged and corresponding minor bank erosion along 50-60 feet of river bank. Actual gaps range between 6-10 feet. Missing toe rock compromises levee integrity, increasing its vulnerability to further scour and potential failure. Failure of this facility could result in damage to a heavily used county road (428th Ave SE).
25 WLFL1 SHAKE MILL RB 2016 REPAIR	Upper Snoq	FCD Const	\$5,000	\$6,331		\$11,331	\$0	\$0	\$0	\$0	\$0	\$11,331			\$672,229	North Bend. Repair approximately 25 lineal feet of the facility with missing toe rock and shallow scour scallop into bank that is approximately 1-
26 WLFL1 SI VIEW RM4 2017 REPAIR	Upper Snoq	FCD Const		\$102,381	(\$102,381)	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$294,373	2 feet deep. Si View Levee is a relatively short flood containment levee that protects 50+ homes in the Si View Park Neighborhood of North Bend from flooding.
27 WLFL1 SR202 SF BRIDGE LENGTHEN	Upper Snoq	FCD Const		\$0		\$0	\$0	\$0	\$0	\$0	\$100,000	\$100,000			\$100,000	North Bend. Placeholder funding to partner with WSDOT to expand bridge SR202 opening over South Fork Snoqualmie River and Ribary Creek to improve conveyance and reduce upstream flood impacts. Supported by North Bend. Requires state or federal funding. Relative contribution of this project is being evaluated in the SF Snoqualmie Corridor Plan.
				7.		7-	**	7-	**	7.	<b>4.00</b> ,000	¥.55,555			4.00,000	North Bend. Prepare a Concept Development Report (CDR) to analyze and select best span/alignment replacement bridge and road-raising
28 WLFL1 TATE CR SCOUR FEASIBILITY	Upper Snoq	Agreement		\$0		\$0	\$150,000	\$0	\$0	\$0	\$0	\$150,000			\$150,000	option as the current bridge does not provide enough hydraulic opening due to the transport of sediments and water overtops the approaches during floods.  Snoqualmie. This project will continue to acquire or elevate flood-prone structures in the Upper Snoqualmie basin to reduce the risk of flood,
29 WLFL1 UPR SNO RES FLD MITIGTN	Upper Snoq	FCD Acqu/Elev	\$3,714,000	\$976,540		\$4,690,540	\$1,957,361	\$2,016,081	\$2,076,564	\$2,138,861	\$2,203,026	\$15,082,433			\$27,412,242	erosion, and channel migration damage. Partnership with City of Snoqualmie to elevate homes and cost-share acquisition of homes where City is planning to construct the Riverwalk project.
30 WLFL1 USACE PL 84-99 SF SNO	Upper Snog	FCD Const	\$378,458	\$149,537		\$527.995	\$0	\$0	\$0	\$0	\$0	\$527.995			\$663,594	North Bend. Ensure eleven South Fork Snoqualmie River levees meet the standards of the US Army Corps of Engineers PL 84-99 program in order to receive future assistance from the Corps in the event of flood damage to the levees
31 WLFL2 264TH AVE NE AT SR 202 FLD IMPRVMNT	Lower Snoq	Agreement		\$0		\$0	\$0	\$0	\$540,000	\$0	\$0	\$540,000				Redmond. Alleviate flooding on this sole access road by replacing the existing culverts and raising the roadway to elminate over-topping during flood events.
32 WLFL2 334TH AVE SE & SE 43RD PL FLD IMPRVMNT 33 WLFL2 CITY SNOQ HOME ELEVATIONS	Lower Snoq	Agreement Agreement		\$0 \$1,468,000	(©4 400 000)	\$0 \$368,000	\$0 \$0	\$0 \$0	\$500,000		\$0 \$0	\$500,000 \$368,000			\$500,000	Fall City. Improve drainage to alleviate neighborhood flooding by constructing a drainage system to flow to the Snoqualmie River.
33 WEFLZ CITY SNOQ HOME ELEVATIONS	Upper Snoq	Agreement		\$1,468,000	(\$1,100,000)	\$368,000	\$0	\$0	\$0	\$0	\$0	\$368,000			\$368,000	City of Snoqualmie. Elevate several flood-prone homes in the areas around Walnut St and Northern St.  Duvall. Repair approximately 200 feet of revetment. Dutchman Road in this location provides the sole access to residences and business on
34 WLFL2 DUTCHMAN RD REVETMENT	Lower Snoq	FCD Const	\$484,752	\$122,308	\$161,735	\$768,795	\$1,479,035	\$6,404,174	\$19,000	\$0	\$0	\$8,671,004			\$9,023,097	the west side of the Snoqualmie Valley downstream of Duvall. Continued erosion of the revetment could result in erosion of the road (West Snoqualmie Valley Road NE) which would severely limit access to the downstream property owners during or following a flood event.
35 WLFL2 FALL CITY FLOODPLAIN RESTORATION	Lower Snoq	Agreement		\$299,934		\$299,934	\$0	\$0	\$0	\$0	\$0	\$299,934			\$300,000	Fall City. Project will reconnect floodplain, removing the aging Hafner and Barfuse facilities and replacing with modern flood and erosion protection features. FCD cost-share funding is intended for design of flood risk reduction features.
36 WLFL2 FARM FLOOD TSK FORCE IMP		FCD Acqu/Elev		\$136.338		\$136.338	\$0	\$0	\$0	\$0	\$0	\$136,338			\$979.803	Carnation. This project provides technical and cost-sharing assistance to agricultural landowners in the Lower Snoqualmie floodplain to help them better withstand the impacts of flooding. Specific project actions include farm pads and elevation or flood proofing of agricultural
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37 WLFL2 FISH HATCHERY RD BR #61B REPAIR	Lower Snoq	Agreement		\$321,410		\$321,410	\$0	\$0	\$0	\$0	\$0	\$321,410			\$514,000	current issue and to protect it against major flood events in the future, and restore the eroded creek bed and riverbank profile to buffer the bridge against scour.
38 WLFL2 JOY 2020 REPAIR	Lower Snoq	FCD Const	\$500,000	\$535,791	(\$1,000,000)	\$35,791	\$2,620,000	\$0	\$0	\$0	\$0	\$2,655,791			\$2,720,000	Duvall. Design and repair approximately 800 linear feet of bank erosion along the Joy Revetment on the left bank of the Snoqualmie River across from the City of Duvall. Bank erosion is undermining an existing road.
39 WLFL2 L SNO 2019 BANK REPAIR	Lower Snoq	Agreement		\$1,121,071		\$1,121,071	\$0	\$0	\$0	\$0	\$0	\$1,121,071			\$2,200,000	Fall City. The river is scouring the road away and David Powell Road is collapsing into the river. This project will repair an existing failing revetment and extend MSE wall to prevent undercutting of the riverbank and roadway.

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No Title	Basin	Type of project	2022 Adopted	2021 Carryover	Reallocation Request	2022 Revised	2023 Projected	2024 Projected	2025 Projected	2026 Projected	2027 Projected	Total (Including 2021 Carryover)	CIS CIS Year 7-10 10+ Year	Project Life Total	Comments
40 WLFL2 L SNO SCOUR REPAIR 2017	Lower Snoq	Agreement	Аиоріеи	\$0	Request	\$0	\$0	\$0	\$0	\$0	\$0	\$0	104 Teal	\$142,411	Fall City. The foundation of the main-span pier is exposed and is vulnerable to destabilization during a flood. Add scour mitigation measures to protect footing. Bridge crosses the Snogualmie River at Duvall and is the city's primary route.
				004.000		004.000	40	90			40	фо. и осо			Fall City. Cost-shared contribution to multiple levee setbacks and high priority flood risk reduction acquisitions in the Fall City reach of the Lower Snoqualmie. Projects reduce flood and erosion risk to revetments, roads, and landowners. FCD expenditure leverages habitat
41 WLFL2 L SNO/ALDAIR CORRDOR PLN	Lower Snoq	FCD Const		\$61,622		\$61,622	\$0	\$0	\$0	\$0	\$0	\$61,622		\$7,089,215	Festoration funding from other sources.  Carnation. This project provides technical and cost-sharing assistance to residential and agricultural landowners in the Lower Snoqualmie
42 WLFL2 LWR SNO RESDL FLD MITGTN 43 WLFL2 MUD CREEK SEDIMENT FACILITY	Lower Snoq		\$59,655			\$1,720,000	\$1,000,000 \$0	\$500,000	\$500,000 \$0	\$500,000 \$0	\$500,000	\$4,720,000 \$432,000			floodplain to help them better withstand the impacts of flooding. Specific project actions include farm pads, elevations of homes, and elevation or flood proofing of agricultural structures.
43 WLFL2 MOD CREEK SEDIMENT FACILITY  44 WLFL2 PUMP STATION REVETMENT REPAIR	Lower Snog	FCD Const		\$432,000		\$432,000	\$0	\$0	\$0	\$0	\$0	\$432,000		\$432,000	Snoqualmie. Design and permit a sediment facility to minimize sediment deposition, flooding, and channel avulsions at this site.  Snoqualmie. Reconstruct upstream 150 feet of the Pump Station Revetment to prevent scour damage to the facility which protects the City of
45 WLFL2 SE 19TH WAY REVETMENT	Lower Snoq Lower Snoq			\$77,782	(\$77,782)	\$0 \$0	\$0	\$0 \$0	\$0 \$0	\$0	\$0	\$0 \$0		\$1,838,512	Snoqualmie's Meadowbrook Pump Station.     Fall City, Rebuild revetment to protect road access to high value agricultural operations and lands. Construction is complete.
46 WLFL2 SNOQUALMIE VALLEY FEAS	Lower Snoq	Agreement	\$151,000	\$226,160		\$377,160	\$99,000	\$0	\$0	\$0	\$0	\$476,160		\$500,000	Duvall. Regional flooding in the Snoqualmie Valley cuts off access to eastern cities. Determine which major roadway(s) that cross the Snoqualmie Valley would be the most cost effective to improve in the valley with chronic flood issues impacting over 25,000 daily drivers.
47 WLFL2 STOSSEL RB 2018 REPAIR	Lower Snoq	FCD Const		\$82,919	(****/	\$32,919	\$0	\$0	\$0	\$0	\$0	\$32,919		\$1,057,886	
48 WLFL2 STOSSEL REVETMENT	Lower Snoq	FCD Const	\$86,598	\$303,282		\$389,880	\$2,968,000	\$12,000	\$0	\$0	\$0	\$3,369,880		\$3,516,598	Carnation. Placeholder costs for long-term facility improvement project to prevent erosion undermining 310th Ave NE.  Carnation. This project will repair approximately 800 linear feet of the Winkelman (formerly RM 13.5) revetment. Erosion along the right bank of
49 WLFL2 TOLT PIPELINE PROTECTION	Lower Snoq	FCD Const		\$33,032	(\$33,032)	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$10,745,036	
															Carnation. Face rock displaced along approximately 50 feet of levee face. Some core material appears to have been lost, resulting in an over steepened bank relative to upstream and downstream undamaged levee sections. Top of damaged face approximately 6 feet from edge of steepened bank relative to upstream and downstream undamaged levee sections. Top of damaged face approximately 6 feet from edge of
50 WLFL3 FREW LEVEE 2016 REPAIR	Tolt	FCD Const		\$191,480	(\$191,480)	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$168,880	gravel trail. Continued erosion will cut off popular riverside trail. Potential impact to highway if facility breaches during a major flood.  Construction is complete.  Construction is complete.
51 WLFL3 HOLBERG 2019 REPAIR	Tolt	FCD Const	\$200,000	\$50,000		\$250,000	\$250,000	\$0	\$0	\$0	\$0	\$500,000		\$500,000	
52 WLFL3 HOLBERG FEASIBILITY	Tolt	FCD Const		\$59,100		\$59,100	\$0	\$0	\$0	\$0	\$0	\$59,100		\$412,149	Carnation. Feasibility study to determine the nature and extent of levee improvements necessary to remove four homes in unincorporated King County from the regulatory Channel Migration Zone as mapped in the March 2017 Draft Tolt River Channel Migration study
53 WLFL3 LOWER FREW LEVEE SETBACK	Tolt	FCD Const	\$105,319	\$651,114		\$756,433	\$750,000	\$750,000	\$14,644,681	\$50,000	\$0	\$16,951,114		\$17,315,777	Carnation. Capital Investment Strategy. Design, based on level of service analysis, the highest priority levee setback for flood risk reduction.
54 WLFL3 LOWER TOLT RIVER ACQUISITION	Tolt	FCD Acqu/Elev	\$150,000	\$843,390		\$993,390	\$200,000	\$200,000	\$645,000	\$550,000	\$550,000				Carnation. Acquire high-priority flood risk reduction properties in the lower two miles of the Tolt River consistent with the adopted Capital Investment Strategy.
															Carnation. Damage is approximately 60 lineal feet of the facility with missing toe rock and undermined face rock near the Snoqualmie Valley Trail. The damage is at the downstream end of Remlinger facility and a breach or continued erosion would increase flooding impacts on
55 WLFL3 REMLINGER LEVEE 2017 REPAIR	Tolt	FCD Const		\$167,967	(\$167,967)	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$143,033	portions of the Remlinger property. Construction complete.
56 WLFL3 RIO VISTA PROPERTY ACQ	Tolt	FCD Acqu/Elev	\$397,128	\$1,415,008		\$1,812,136	\$1,750,000	\$1,750,000	\$1,750,000	\$0	\$0	\$7,062,136		\$8,717,331	Carnation. Capital Investment Strategy: Acquire 2 at-risk homes from willing sellers; acquire remaining 14 homes as funds become available.
57 WLFL3 SAN SOUCI NBRHOOD BUYOUT	Tolt	FCD Acqu/Elev		\$153,211		\$153,211	\$346,789	\$0	0.2	90	\$0	\$500,000		\$5,546,463	Carnation. This project will buyout remaining properties and remove all homes and privately-constructed rubble levee at upstream end of the community access road, ultimately completing project initiated 20 years ago by others. Approximatlely 20 homes removed from high hazard areas within and just upstream and downstream of San Souci neighborhood.
58 WLFL3 SAN SOUCI ROAD ELEVATION	Tolt	FCD Const	\$700,000	\$14,448		\$714,448	\$700,000	\$800,000	\$25,000	\$0	\$0	\$2,239,448			Carnation. Capital Investment Strategy: Construct Tolt Road NE road elevation in one location. Remove illegal revetment and roads in San  Souci neighborhood.
59 WLFL3 SEDIMENT MGMT FEAS	Tolt	FCD Const	φισσίοσο	\$70,152		\$70,152	\$0	\$0	\$0	\$0	\$0	\$70,152		\$263,706	Carnation. Capital Investment Strategy: Conduct sediment management feasibility study and develop a plan. Update and include upper
60 WLFL3 SR 203 BR IMPRVMNTS FEAS	Tolt	FCD Const		\$311,866		\$311,866	\$0	\$0	\$0	\$0	\$0	\$311,866		\$395,900	Carnation. Capital Investment Strategy: Initiate study (with potential future design and construct) to add bridge span(s), raise the highway and
61 WLFL3 TOLT CIS LONG TERM 62 WLFL3 TOLT CIS MED TERM	Tolt Tolt	FCD Const FCD Const		\$0 \$0		\$0 \$0		\$0 \$0	\$0 \$0			7.	\$28,800,000 \$56,250,000	\$28,800,000 \$56,250,000	Carnation. Implement projects identified in the Capital Investment Strategy, approved as policy direction by the Executive Committee.
63 WLFL3 TOLT CORRIDOR PLAN	Tolt	FCD Const		\$14,430		\$0	\$0	\$0	\$0	\$0	\$0	\$0	, , ,	\$1,139,227	Carnation. The corridor plan for the lower 6 miles of the Tolt River will develop a prioritized implementation strategy for near-term and long-
64 WLFL3 TOLT R LEVEE L.O.S. ANALYSIS	Tolt	FCD Const	\$54,357	\$206,263	\$59,295	\$319,915	\$0	\$0	\$0	\$0	\$0	\$319,915		\$1,055,467	Carnation. Capital Investment Strategy: Conduct a detailed hydraulic analysis to optimize the elevation of new levees to maximize flood risk
65 WLFL3 TOLT R NATURAL AREA ACQ 66 WLFL3 TOLT R RD ELEVATION FEASIBILITY	Tolt Tolt	FCD Acqu/Elev FCD Const	\$107,740	\$1,068,172 \$181,427		\$1,175,912 \$0	\$700,000 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$1,875,912 \$0		\$5,622,258 \$68,573	
67 WLFL3 TOLT R RD NE IMPROVEMENTS	Tolt	FCD Const		\$0		\$0	\$91,301	\$250,000	\$150,000	\$2,342,329	\$30,000	\$2,863,630		\$2,863,630	Carnation. Capital Investment Strategy: Initiate design for elevation of one road location to reduce or eliminate isolation. Implement additional
68 WLFL3 UPPER FREW LEVEE SETBACK	Tolt	FCD Const	\$159,000	\$50,000		\$209,000	\$175,000	\$1,200,000	\$1,500,000	\$14,800,000	\$0	\$17,884,000		\$17,884,000	Carnation. Capital Investment Strategy: Initiate the levee setback design in order to apply for grant funding. Levee setback to increase
69 WLFL4 ALPINE MANOR NEIGHBORHOOD BUYOUTS	Raging	FCD Acqu/Elev	\$400,000	\$29,930		\$429,930	\$0	\$0	\$0	\$0	\$0	\$429,930		\$2,183,810	Preston. Acquisition of single-family homes and future acquisition of mobile home park at risk of channel migration along the Raging River in the Alpine Manor neighborhood.
70 WLFL4 RAGING SCOUR REPAIR 2017	Raging	Agreement		\$54,938		\$54,938	\$0	\$0	\$0	\$0	\$0	\$54,938		\$80,000	Fall City. This bridge has a history of scour damage. One of the arch foundations is exposed. Repair scour mitigation measures to protect the office the footing. It serves only one house but is a designated King County Landmark.
71 Snoqualmie-South Fork Skykomish Subtotal 72			\$15,108,271	\$17,531,051	(\$2,160,492)	\$30,478,830	\$23,223,953	\$23,574,604	\$29,724,212	\$24,703,408	\$9,183,026	\$140,888,033		\$406,645,248	
73															Sammamish. To address chronic flooding on this sole access roadway with approximately 200 properties, look at upstream and downstream
74 WLFL5 ALLEN LK OUTLET IMPRVMNT	Sammamish	Agreement		\$809,915		\$809,915	\$36,256	\$1,500,000	\$400,000	\$10,000	\$0	\$2,756,171		\$2,791,256	
															Issaquah. The Bayless Revetment protects a sole access bridge to a residential community (about 70 homes) in the City of Issaquah. The facility was flanked and/or overtopped during the flood resulting in flooding of the low lying Sycamore neighborhood in the City of Issaquah
75 WLFL5 BAYLESS 2020 REPAIR	Sammamish	FCD Const		\$50,000		\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$(	behind the revetment. Continued erosion may result in damage to the bridge and ongoing flooding to the neighborhood.  Sammamish. This project will restore access to one river mile of high quality kokanee salmon habitat and reduce the risk of flooding by
76 WLFL5 GEORGE DAVIS CRK CITY OF SAMMAMISH 77 WLFL5 IRWIN R 2020 REPAIR	Sammamish Sammamish			\$400,000 \$63,761	\$424,739	\$400,000 \$488,500	\$0 \$15,000	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$400,000 \$503,500		\$739,739	Preducing sediment deposition.  Bissaquah. Further damage to the facility could cut off the sole access to one resident (via a private road and bridge over the creek).
78 WLFL5 ISSAQUAH CREEK CIS	Sammamish	FCD Const	\$300,000	\$0	(\$200,000)	\$100,000						\$100,000			lssaquah: Identify and prioritize near-, mid-, and long-term capital projects for Flood Control District funding along Issaquah Creek.  Issaquah. The Jerome Revetment protects three private residences in the City of Issaquah. Erosion of the revetment could result in loss of
79 WLFL5 JEROME 2020 REPAIR	Sammamish	Agreement		\$339,799		\$339,799	\$0	\$0	\$0	\$0	\$0	\$339,799		\$355,083	Bellevue. Provide near-term grants to fund flood mitigation options for lakeside landowners, such as floating docks, relocation or elevation of
80 WLFL5 LK SAMMAMISH FLOOD MIT GRANTS	Sammamish	Grant	\$1,000,000	\$0		\$1,000,000						\$1,000,000		\$1,000,000	Issaquah. Damage to the SE 156th St. road next flood season could cut off the sole access to a community of about 30 homes. More erosion
81 WLFL5 MOMB 2020 REPAIR	Sammamish	FCD Const	\$142,391	\$22,330	\$75,279	\$240,000	\$577,500	\$15,000	\$0	\$0	\$0	\$832,500		\$920,170	
82 WLFL5 SAMMAMISH CIS	Sammamish	FCD Const	\$1,307,400	\$56,915		\$1,364,315	\$1,030,409	\$27,093	\$0	\$0	\$0	\$2,421,817		\$2,810,022	
															Redmond. Willowmoor Floodplain Restoration Project seeks to reduce the frequency and duration of high lake levels in Lake Sammamish while maintaining downstream Sammamish River flood control performance and enhancing habitat. The project will reconfigure the Sammamish transition zone to ensure ongoing flow conveyance, downstream flood control, potential extreme lake level reduction, habitat conditions improvement, and reduction of maintenance impacts and costs. Project is currently on hold pending completion of a 3rd party
83 WLFL5 WILLOWMOOR FLDPLAIN REST	Sammamish	FCD Const		\$1,056,184		\$1,056,184	\$0	\$0	\$0	\$0	\$0	\$1,056,184		\$4,520,977	
84 WLFL6 148TH AVE SE LARSEN LK BELLEVUE	Lk Wash Trib	s Agreement		\$400,000		\$400,000	\$0	\$0	\$0	\$0	\$0	\$400,000		\$400,000	Bellevue. Conduct a site assessment and initiate preliminary design to progress toward construction of best drainage treatments and resilient design to reduce or eliminate roadway flooding on 148th Ave SE. Improve high water flow capacity for Larsen Lake/Lake Hills Greenbelt to Kelsey Creek where it floods 148th Avenue SE during moderate to severe storm and longer duration rainfall periods.

					2022							Total			Comments
No. Title	Basin	Type of project	2022 Adopted	2021 Carryover	Reallocation Request	2022 Revised	2023 Projected	2024 Projected	2025 Projected	2026 Projected	2027 Projected	(Including 2021 Carryover)	CIS CIS Year 7-10 10+ Year	Project Life Total	
85 WLFL6 BEAR CRK FLOOD EROSION REDMOND		s Agreement	\$450,000	\$1,099,872		\$1,549,872		\$0	\$0	\$0	\$0	\$1,549,872		\$1,550,000	Redmond. Protect Avondale Rd from an embankment that has been scoured by floodwaters from Bear Creek.
86 WLFL6 FACTORIA BLVD DRAINAGE	Lk Wash Trib	s Agreement	\$2,022,000	\$4,792,000		\$6,814,000	0.2	0.2	0.2	\$0	20	\$6,814,000		\$6,814,000	Bellevue. Reduce flooding during high-intensity storm events along Factoria Boulevard, a major transportation corridor within the City of Bellevue. These events have increased in frequency and are anticipated to be even more frequent in the future as a result of climate change.
00 WEFEO PACTORIA BEVD DRAINAGE	LK Wasii IIIbi	s Agreement	\$2,022,000	\$4,792,000		\$0,814,000	\$0	\$0	φ0	φ0		\$0,814,000		\$0,814,000	Issaquah. Prepare a feasibility analysis report which will include, but is not limited to, surveying, geotechnical analysis, traffic analysis, and
87 WLFL6 ISSAQUAH TRIB FEAS	Lk Wash Trib	s Agreement		\$26,629		\$26,629	\$0	\$0	\$0	\$0	\$0	\$26,629		\$350,000	hydraulic analysis to idenify potential solutions to bridge deficiencies, including a constructed hydraulic opening with piles that collect debris and pose risks to the stability of the bridge.
88 WLFL6 LOWER COAL CRK PH I	Lk Wash Trib	s Agreement	\$200,000	(\$78,662)		\$121,338	\$285,000	\$1,310,000	\$1,432,358	\$0	\$0	\$3,148,696		\$14,588,950	Bellevue. Increase conveyance capacity at the five box culvert crossings. Disconnect local storm drainage outfall from Coal Creek and redirect them to Lake Washington. Implemented by City of Bellevue.
															Newcastle. As recommended in the May Creek Basin Plan, two sediment traps will be constructed on May Creek tributaries (Cabbage and Country Creeks) to limit sediment loading. FCD funding is for initial feasibility analysis, landowner outreach, and acquisition of property from
89 WLFL6 MAY VALLEY DRAINAGE IMPRVMNT	Lk Wash Trib			\$305,174		\$305,174	\$0	\$0	\$0	\$0	\$0	\$305,174		\$530,000	Renton. Critical facilities (Utilities, CRT, SR 169). Regional impact extents. Potential human injury from sudden change in conditions.
90 WLFL7 BELMONDO 2020 REPAIR	Cedar	FCD Const	\$149,048	\$56,722	\$19,230	\$225,000	\$410,000	\$15,000	\$0	\$0	\$0	\$650,000		\$743,278	Generally exposed bank - damage likely to occur next major high-flow event.  Renton. Residential land use and critical facilities (Utilities, CRT, SR 169). Regional impact extents. Potential human injury from sudden
91 WLFL7 BRODELL 2020 REPAIR	Cedar	FCD Const		\$9,403	(\$9,403)	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$0	change in conditions. Damage may occur next flood season/likelihood increasing.  Renton. Emergency action to prevent flooding of Byers Road, which is the sole access/egress for numerous residences along the Cedar River.
92 WLFL7 BYERS 2020 EMERGENCY ACTION 93 WLFL7 BYERS NEIGHBORHOOD IMPROVEMENTS	Cedar Cedar	FCD Const FCD Const		\$8,013 \$212,400	(\$8,013)	\$0 \$212,400	\$0 \$300,000	\$0 \$50,000	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$562,400		\$16,987 \$570,000	Renton. Capital Investment Strategy: Take several actions to reduce flood risk including construction of an emergency egress route,
94 WLFL7 CDR PRE-CONST STRTGC ACQ	Cedar	FCD Acqu/Elev	\$1,600,000	\$1,468,673		\$3.068.673	\$1,600,000	\$1,600,000	\$1.600.000	\$1,600,000	\$1.600.000	\$11,068,673		\$16,330,532	Renton. This project will acquire strategic real estate upon which several large Flood Control District capital projects are dependent (Project J in the Capital Investment Strategy).
95 WLFL7 CEDAR CIS LONG TERM 96 WLFL7 CEDAR CIS MED TERM	Cedar Cedar	FCD Acqu/Elev FCD Acqu/Elev	<b>*</b> 1,000,000	\$0 \$0		\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0	\$0	\$35,400,00 \$22,000,000	\$35,400,000	
30 WEI ET GEBAR GIO WIED TERM	Cedai	1 OD ACQUILLEV		ΨΟ		Ψ0	ΨΟ	ΨΟ	ΨΟ	<b>\$</b> 0	ΨΟ	ΨΟ	\$22,000,000	Ψ22,000,000	Renton. This six-year flood risk reduction capital investment strategy will cover the Cedar River valley from Landsburg Road SE (River Mile 22)
97 WLFL7 CEDAR LEVEE SETBACK FEAS (Cedar Corridor Plan)	Cedar	FCD Const		\$134,227		\$134,227	\$0	\$0	\$0	\$0	\$0	\$134,227		\$1,987,587	to Lake Washington. Project complete. Closeout in 2020.
98 WLFL7 CEDAR R DWNSTREAM 2024 IMPV	Cedar	Agreement		\$0		\$0	\$0	\$100,000	\$0	\$0	\$0	\$100,000		\$100,000	
															Renton. This emergency action will armor up to 300 feet river bank and construct a buried revetment to stabilize the bank and prevent further erosion to the most damaged portion. This emergency action and the subsequent extension are upstream of the CRT 2 revetment in an area
99 WLFL7 CEDAR R TRAIL SITE 2	Cedar	Agreement		\$780,406		\$780,406	\$0	\$0	\$0	\$0	\$0	\$780,406		\$1,233,000	referred to as "Zone B."  Erosion and scour have resulted in loss of upper ballast, dislodging of key logs, shearing of piles, and damage to hardware connections, to an
100 WLFL7 CEDAR RAPIDS ELJ6 2020 REPAIR	Cedar	FCD Const	\$5,518	\$76,773	(\$80,685)	\$1,606	\$0	\$0	\$0	\$0	\$0	\$1,606		\$110,833	
101 WLFL7 CEDAR RES FLOOD MITIGATION	Cedar	FCD Acqu/Elev		\$2,372,866		\$2,372,866	\$1,600,000	\$1,600,000	\$1,600,000	\$1,600,000	\$1,600,000	\$10,372,866		\$11,074,000	on the CIS: Risk analysis has identified 53 homes as high risk from flooding and channel migration, but which are not mitigated by projects.  Elevate or purchase approximately 2 homes per year.
102 WLFL7 CEDAR RIVER TRAIL SITE A BANK	Cedar	FCD Const		\$63,289	(¢e2 200)	φ <u>2,012,000</u>	\$1,000,000	\$0	¢1,000,000	\$1,000,000	ψ1,000,000 ΦΩ	\$0		\$145,013	Renton. Capital Investment Strategy: Repair eroded section of left bank with bioengineered revetment to stabilize toe of bank and to prevent
102 WEFE / GEDAR RIVER TRAIL SITE A BAINN	Cedai	FCD Const		\$03,269	(\$03,269)	<b></b>	\$0	\$0	φ0	φ0		φυ		\$145,013	Renton. The project ensures the minimum required 100-year flood conveyance capacity along the lower 1.25 miles of the Cedar River. Project
															is a required maintenance action by the Army Corps of Engineers Section 205 Flood Control Project. Maintenance dredging took place in 2016. Project funding shown herein represent post construction mitigation monitoring and reporting as well as the planning and design of the next
103 WLFL7 CEDAR RVR GRAVEL REMOVAL	Cedar	Agreement		\$2,526,808		\$2,526,808	\$0	\$403,000	\$500,000	\$500,000	\$0	\$3,929,808		\$14,238,100	dredging project. Additional funding will be needed beyond 2026 to cover permitting, mitigation plan development, construction, mitigation and post-construction monitoring work associated with the next cycle of dredging.
104 WLFL7 CITY OF RENTON LEVEE CERTIFICATION	Cedar	Agreement		\$4,242,620		\$4,242,620	\$0	\$0	\$0	\$0	\$0	\$4,242,620		\$5,000,000	Renton. Levee improvements necessary to satisfy levee certification engineering recommendations.  Renton. Erosion and scour have resulted in loss of toe and bank rock, oversteepened and undercut banks (some portions cantilevered). Scour
105 WLFL7 CRT SITE 5 2020 REPAIR	Cedar	FCD Const	\$87.905	\$256.541		\$344.446	\$1,070,000	\$5,000	\$0	\$0	\$0	\$1,419,446		\$1,512,905	has undermined numerous large trees, likely to fall into the channel likely resulting in further damage of the bank. Damage is observed along
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106 WLFL7 CRT SITE 5B 2020 REPAIR	Cedar	FCD Const		\$0	\$315,000	\$315,000						\$315,000		\$315,000	approximately 350 feet of facility, near the upstream end.
ACTIVILEI Z ODTO ZONE D 0000 DEDAID	0-4	A 4	<b>©</b> 5 440 050	£400.000		<b>#F 000 070</b>	<b>#</b> 0	***	r.o.	60	ro.	¢ε 220 070		ΦE 00Ε 0Ε	Renton. Critical facilities (Utilities, CRT, SR 169). Regional impact extents. Potential human injury from sudden change in conditions. Damage may occur next flood season/likelihood increasing. This damage is to the CRT 2 revetment downstream of the emergency repair site listed
107 WLFL7 CRT2 ZONE D 2020 REPAIR	Cedar	Agreement	\$5,142,656	\$190,323		\$5,332,979	\$0	\$0	\$0	\$0	\$0	\$5,332,979		\$5,335,656	Separately; area is referred to as "Zone D".  Renton. The main channel has avulsed into the previous left floodplain, leading to erosion of the channel bank, adjacent to 231st PI SE.
108 WLFL7 DORRE DON AVULSION ANALYSIS	Cedar	FCD Const		\$63,466		\$63,466	\$0	\$0	\$0	\$0	\$0	\$63,466		\$100,000	Renton. Capital Investment Strategy: This project will acquire flood-prone homes per the Cedar CIS, as well as evaluate if changes to the
															levee and road elevation will result in meaningful flood risk reduction and to determine what level of protection can be provided. The study would also evaluate other structural improvements such as raising Lower Dorre Don Way SE upstream and downstream of the trail crossing
109 WLFL7 DORRE DON NBHOOD IMPRVMNT	Cedar	FCD Const		\$800,000		\$800,000	\$0	\$0	\$0	\$0	\$0	\$800,000		\$800,000	and farther downstream near RM 16.3. The Cedar CIS will be reviewed by the District in 2021 in light of changed conditions from the 2020 flood disaster.
110 WLFL7 HERZMAN LEVEE SETBACK	Cedar	FCD Const	\$1,023,786	(\$22,851)	\$135,197	\$1,136,132	\$5,088,710	\$32,782	\$0	\$0	\$0	\$6,257,624		\$8,565,684	Renton. Capital Investment Strategy: Setback levee; excavate side-channel to reduce pressure on revetment; reconstruct, reinforce and/or extend revetment; acquire up to 5 properties.
111 WLFL7 ISSAQUAH MAY VALLEY IMPV	Cedar	Agreement		\$11.681		\$11.681	\$0	\$0	\$0	\$0	\$0	\$11.681		\$100.000	Issaquah. This project will construct improvements to the intersection which could be either a roundabout or additional travel lanes with a travel signal at the intersection of Issaquah Hobart Road SE and SE May Valley Road.
				* , *		* ,	7.	**	**	**	**	4,40.		******	Renton. Capital Investment Strategy: Suite of solutions to be determined as part of feasibility study. Includes raise road, partial removal of Jan Road levee, construction of side channel, and mitigation of at-risk properties. Construction phased for mitigation in 2021 and other
112 WLFL7 JAN RD LEVEE SETBACK	Cedar	FCD Const	\$9,573,987	\$36,869	\$2,725,965	\$12,336,821	\$26,204	\$0	\$0	\$0	\$0	\$12,363,025		\$15,976,060	
440 W/ FLZ LOWED OFDAD FFACIDILITY OTLIDY	0-4	A 4		<b>6405 544</b>		<b>*</b> 405.544	<b>#</b> 0	***	r.o.	60	ro.	<b>\$405.544</b>		<b>#</b> 500.000	potential 2) determine infrastructure modifications to improve flood resiliency and sediment storage potential, and 30 conduct cost-benefit analysis.
113 WLFL7 LOWER CEDAR FEASIBILITY STUDY	Cedar	Agreement		\$435,544		\$435,544	\$0	\$0	\$0	\$0	\$0	\$435,544		\$520,000	Renton. Capital Investment Strategy: Raise in place or setback Jones Road; excavate and stabilize right bank to increase conveyance
114 WLFL7 LOWER JONES ROAD NEIGHBORHOOD	Cedar	FCD Const	\$1,410,000	\$991,977		\$2,401,977	\$160,704	\$4,540,762	\$1,631,719	\$0	\$0	\$8,735,162		\$8,987,388	
115 WLFL7 MADSEN CR CULVERT 2017	Cedar	Agreement		\$137,930		\$137,930	\$0	\$0	\$0	\$0	\$0	\$137,930		\$3,326,000	
116 WLFL7 MADSEN CR RENTON	Cedar	Agreement		\$403,055		\$403,055	\$0	\$0	\$0	\$0	\$0	\$403,055		\$635,000	Renton. Design and implement phase I improvements to Madsen Creek to achieve 100-year level flood protection for properties south of SR 169 and 25-year level flood protection for properties north of SR 169.
117 WLFL7 MAPLEWOOD FEASIBILITY STUDY	Cedar	FCD Const		\$15,031		\$15,031	\$0	\$0	\$0	\$0	\$0	\$15,031		\$490,246	Renton. Capital Investment Strategy: Conduct site specific landslide risk assessment study; conduct a feasibility study to evaluate
118 WLFL7 TABOR-CROWALL REVETMENT	Cedar	FCD Const	\$635.325	\$405.561		\$1.040.886	\$156,483	\$4,287,000	\$36.000	\$0	\$0	\$5,520,369			Renton. Critical facilities (Utilities, CRT, SR 169). Regional impact extents. Potential human injury from sudden change in conditions. Generally exposed bank along 200 feet - damage likely to occur next major high-flow event.
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7	. 13 00.00	\$300,020	Ţ.00,001		Ţ.,510,000	Ţ.00,100	Ţ.,_07,000	200,000	<b>\$</b> 0	<del>40</del>	ψ0,020,000		\$5,151,022	Renton. This project represents the Flood District contribution to a larger project that relocates mobile home park tenants and initiates preliminary engineering design for potential levee setback / realignment to reduce flood heights, velocities and channel migration risk in this
119 WLFL7 RIVERBEND MHP ACQ	Cedar	FCD Acqu/Elev		\$48,916	(\$48,916)	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$5,962,522	
120 WLFL7 SR 169 FLOOD REDUCTION	Code	FCD Const		\$1.144.266	\$600.334	\$1.744.600	фo	60	60	60	<b>#</b> 0	\$1.744.600		¢= 40= 500	return. Conduct reasibility study in coordination with WSDOT to evaluate flood risk reduction opportunities, such as elevating SR 109, upgrading the local drainage infrastructure, and / or installation of back flow prevention gates. Funding added in 2019 pending FCD decision to move forward with preliminary design.
120 WEFL/ SR 169 FLOOD REDUCTION  121 Cedar-Sammamish Subtotal	Cedar	FCD Const	\$25,050,016				\$12,356,266	\$15,485,637	\$0 \$7,200,077	\$3,710,000	\$3,200,000	\$1,744,600 \$97,051,860		\$5,485,588	
123															
															Kent. Floodwall construction at four locations completed by the City of Kent. Final expenditures for the remainder of 2017 will include reimbursement for property acquisition and riparian plantings. The revised 2017 financial plan includes revenue of \$4.1 million for the sale of
124 WLFL8 BRISCOE LEVEE SETBACK	Green	Agreement		\$1,973,224		\$1,973,224	\$0	\$0	\$0	\$0	\$0	\$1,973,224		\$23,330,271	the Rivers Edge Business Park. Per FCD 2016-20 Section 6, this revenue makes expenditure authority available for the Lower Russell Levee Setback project. The Briscoe project will be closed out once the District's ILA with Kent expires in 2018.
125 WLFL8 BRPS CONTROL BLDG RPLCMT	Green	FCD Const	\$490,862	\$145,589	(\$475,000)	\$161,451	\$506,479	\$3,477,822	\$971,315	\$3,898,218	\$4,015,165	\$13,030,450			Renton. This project will design and build the second phase of renovations to the Black River pump station. Major components include replacement of the control building, replacement of the trash rake system, and replacement of the screen spray system.
126 WLFL8 BRPS FISH PASS IMPRVMNTS	Green	FCD Const	\$1,420,719	\$635,405		\$2,056,124	\$3,238,220	\$9,942,392	\$10,127,229	\$61,345	\$0	\$25,425,310		\$25,729,049	Renton. This project will design and build the fourth phase of renovations to the Black River pump station, revising and replacing the obsolete fish passage systems.
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					2022							Total				Comments
No. Title	Basin	Type of project	2022 Adopted	2021 Carryover	Reallocation Request	2022 Revised	2023 Projected	2024 Projected	2025 Projected	2026 Projected	2027 Projected	(Including 2021 Carryover)	CIS Year 7-10	CIS 10+ Year	Project Life Total	
127 WLFL8 BRPS HIGH-USE ENGINES	Green	FCD Const	\$3,837,828	\$1,155,752	\$1,577,420	\$6.571.000	\$22.510	\$0	\$0	\$0	\$0	\$6.593.510			\$12.128.083	Renton. This project will design and build the first phase of renovations to the Black River pump station, replacing the three smaller pump
128 WLFL8 BRPS LARGE ENGINE REPLACEMENT	Green	FCD Const		\$0		\$0	\$0	\$0	\$401,193	\$413,229	\$6,652,427	\$7,466,849			\$7,466,849	Renton. This project will design and replace the large engines and overhaul the large pumps at the Black River pump station.
129 WLFL8 BRPS SEISMIC UPGRADES	Green	FCD Const	\$2,397,634	\$757,829	(\$1,250,000)	\$1,905,463		\$11,592,741	\$9,252,839	\$184,481	\$0	\$29,913,679			\$30,535,020	Renton. This project will design and build the third phase of renovations to the Black River pump station, replacing support systems such as
130 WLFL8 BRPS SUPPORT SYS UPGRADES	Green	FCD Const	\$928,728	\$147,190		\$1,075,918	\$225,102	\$1,616,440	\$1,664,933	\$174,483	\$0	\$4,756,876			\$5,246,226	engine control panels, cooling systems, oilers and hoists.  Black Diamond. Remove the three 6-foot diameter culverts where Lake Sawyer flows into Covington Creek and replace with a bridge to
131 WLFL8 COVINGTON CR BLACK DIAMOND	Green	Agreement		\$2,293,500		\$2,293,500	\$0	\$0	\$0	\$0	\$0	\$2,293,500			\$2,293,500	eliminate obstructions for water flow and allow passage for migrating salmon.  Kent. This project will assess the damaged section of Desimone Levee between the two new floodwall segments, and recommend possible
132 WLFL8 DESIMONE MAJOR REPAIR USACE 133 WLFL8 DYKSTRA 2022 REPAIR	Green Green	Agreement FCD Const	\$6,000,000 \$50,000	\$523,182 \$0	(\$5,000,000)	\$1,523,182 \$50,000	\$6,600,000 \$0	\$20,000,000	\$6,005,000 \$0	\$15,000 \$0	\$0 \$0	\$34,143,182 \$50,000			\$34,470,000	options for repair. Only the conditions assessment is proposed for funding.  Repair scour and bank erosion and replace missing toe rock upstream of 2015 Corps of Engineers repair.
134 WLFL8 FORT DENT 2020 REPAIR	Green	FCD Const	\$328,710	\$160,167		\$488,877	\$311,109	\$2,611,000	\$6,556	\$0	\$0	\$3,417,542			\$3,507,375	Tukwila. Damage increases vulnerability of the heavily used regional Green River trail and regional soccer complex (Starfire) and Tukwila Park.
135 WLFL8 FORT DENT US 2021 REPAIR	Green	FCD Const		\$232,723		\$232,723	\$0	\$0	\$0	\$0	\$0	\$232,723			\$398,825	Tukwila. This project will repair a damaged section of the levee that was caused by a falling tree and susceptible to further scour and erosion.
136 WLFL8 GALLIDYKSTRA 2020 REPAIR	Green	FCD Const		\$129,523	\$368,108	\$497,631	\$0	\$0	\$0	\$0	\$0	\$497,631			\$1,535,319	Auburn. Complete Phase 1 repair per a request from the City of Auburn. Elevate 3500 feet levee reach to meet FEMA levee certification requirements.
137 WLFL8 GALLI-DYKSTRA FEASIBILITY	Green	FCD Const		\$9,940	(\$9,940)	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$0	Auburn. Conduct a feasibility study to raise the levee providing 100-year flood protection plus 3 feet of freeboard. Canceled and incorporated into Galli-Dykstra 2020 Repair.
138 WLFL8 GREEN PRE-CONST ACQ	Green	FCD Acqu/Elev	\$5,000,000	\$8,306,618	(,,,,	\$13,306,618	\$0	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$33,306,618			\$37 577 724	Tukwila. This project will acquire strategic real estate upon which future large Flood Control District capital projects are dependent, thereby reducing risks to construction schedules for those projects.
139 WLFL8 GREEN R IMPROVEMENT 2024	Green	Agreement	φοισσισσσ	\$0		\$0	\$0	\$100,000	\$0	\$0	\$0	\$100,000				Auburn. Improve SE Green Valley Road near SE Auburn Black Diamond Road and alleviate roadway flooding by raising the road through the application of a thick layer of overlay.
	Oreen	_		7-	(\$179 674)	φ0	Φ0	\$100,000	φ0	φ0	φ0	\$100,000				Auburn. This project will result in actions to mitigate environmental damage from tree cutting during 2008-9 (as required by permitting
140 WLFL8 GREEN R PL84-99 MITIGATN	Green	FCD Const		\$179,674	(\$179,674)	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$5,275,194	Auburn. This project will address scour damage to the bridge, which is on the primary through route of the Green River Valley Rd. The bridge
141 WLFL8 GREEN SCOUR REPAIR 2017	Green	Agreement		\$102,476		\$102,476	\$0	\$0	\$0	\$0	\$0	\$102,476			\$150,000	is also a King County landmark.  Kent. New project to implement interim SWIF adopted by Board of Supervisors. This project will reconstruct the Horseshoe Bend Levee at the
																Breda reach (RM 24.46-24.72) to a more stable configuration in order to reduce flood risk to the surrounding areas. The project will also raise levee crest elevations to contain the 500-year (0.2% annual chance) flood. This segment of the levee has the lowest factor of safety rating of
142 WLFL8 HSB BREDA SETBACK - KENT	Green	Agreement	\$5,200,000	\$1,000,000		\$6,200,000	\$7,900,000	\$400,000	\$0	\$0	\$0	\$14,500,000			\$15,430,509	the Horseshoe Bend levee.  Kent. This USACE repair project replaces the SWIF capital project originally planned by the FCD. The repair project is anticipated to stabilize
143 WLFL8 HSB MCCOY REALIGNMENT	Green	Agreement		\$471 094		\$471.094	\$2,188,106	\$700.000	\$0	\$0	\$0	\$3.359.200			\$3 404 244	the failure of the levee slope, construct a ring levee around an isolated utility, and shift the alignment of the federal levee back to the City of Kent's secondary containment levee.
144 WLFL8 KENT AIRPORT RVTMNT 2022 REPAIR	Green	FCD Const	\$100,000	\$0	\$170,000	\$270,000	ψ2,100,100	ψ1 00,000	Ψ0	ψ.	Ψ0	\$270,000			\$270,000	Kent. Stabilize the over-steepened bank and rock revetment that has been undercut by rotational bank failure.
145 WLFL8 LONES LEVEE RESTORATION	Green	Agreement		\$1,850,000		\$1,850,000	\$0	\$0	\$0	\$0	\$0	\$1,850,000			\$1,850,000	
146 WLFL8 LOWER RUSSELL ACQ KENT 147 WLFL8 LWR GRN R CORRIDOR PLAN/EIS	Green Green	Agreement FCD Const	(\$1,024,730)	\$100,012 \$1,055,469		\$100,012 \$30,739	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0		\$100,012 \$30,739				Kent. Acquisitions by the City of Kent for the Lower Russell levee setback project.  Kent. Lower Green River Corridor Planning and Environmental Impact Statement.
																Kent. Remove and replace the existing flood containment system of levee and revetments along the right (east) bank of the Green River between river mile 17.85 (S 212th St) and river mile 19.25 (S 231st Way) in the City of Kent to provide long-term flood protection and improve
148 WLFL8 LWR RUSSELL LEVEE SETBACK	Green	FCD Const	\$9,005,687	\$3,912,441		\$12,918,128	\$130,730	\$0	\$0	\$0	\$0	\$13,048,858			\$58,096,655	riparian and aquatic habitat. Increased expenditure authority to match interim SWIF adopted by Board of Supervisors.  Kent. Prepare an analysis and study of design and construction alternatives to provide flood protection, scour protection, enable levee
149 WLFL8 MILWAUKEE LEVEE #2-KENT 150 WLFL8 NEWAUKUM CR FLOOD CONVEYANCE RESTORATION	Green	Agreement FCD Const		\$17,375,438 \$65,000		\$17,375,438 \$65,000	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$17,375,438 \$65,000			\$19,400,000	
			<b>A</b> 50.000				Ψο	φ0	φ0 ***	φ0	90					Kent: Stabilize the O'Connell revetment slope, and move or replace the road shoulder and guardrail. With the new capital project team now
151 WLFL8 O'CONNELL REVETMENT 2021 REPAIR	Green	FCD Const	\$50,000	\$90,596	\$236,929	\$377,525	\$350,000	\$0	\$0	\$0	\$0	\$727,525				on board there is capacity to initiate this work in Q4 rather than Q1 2022.  Auburn. This project will conduct a feasibility analysis of channel migration hazards from river mile 21.1 to 21.7. Alternative selection is
152 WLFL8 OLD JEFF'S FARM REVETMENT	Green	FCD Const		\$596,853		\$596,853	\$0	\$0	\$0	\$0	\$0	\$596,853			\$901,721	pending; alternative 1 is assumed as a placeholder.  Kent. Project is to improve the levee by providing a minimum of 3 feet of freeboard above the predicted 500-year flood event and improve
153 WLFL8 RUSSELL RD UPPER KENT	Green	Agreement		\$17,117		\$17,117	\$0	\$0	\$0	\$0	\$0	\$17,117			\$6,082,173	slope stability. These segments of the Russell Road Upper Levee have over-steepened slopes and therefore lack adequate structural stability to provide adequate safety.
154 WLFL8 S 106TH ST DRAINAGE IMPVMNT	Green	Agreement		\$451,000		\$451,000	\$0	\$0	\$0	\$0	\$0	\$451,000			\$451,000	Burien. Replace an existing damaged and undersized pipe that runs under eleven properties to prevent stormwater flooding.  Kent. Project provides increased level of protection to 1.5 miles of Lower Green River Corridor. Alternative selected by Executive Committee.
155 WLFL8 SIGNATURE POINTE REVETMENT	Green	Agreement	\$26,800,000	\$28,480,255		\$55,280,255	\$0	\$0	\$0	\$0	\$0	\$55,280,255			\$56,745,419	Tukwila. Erosion and slumping of Tukwila Trail revetment caused by the recent Green River flood resulted in approximately 200 feet of damage
156 WLFL8 TUK REVETMNT 2019 REPAIR	Green	FCD Const		\$63,799		\$63,799	\$0	\$0	\$0	\$0	\$0	\$63,799			\$500,000	to the revetment.  Tukwila. New project to implement interim SWIF adopted by Board of Supervisors. This project will construct a facility to bring this levee
157 WLFL8 TUK-205 GUNTER FLOODWALL	Green	FCD Const	\$3,075,336	\$10,754,979	(\$3,000,000)	\$10,830,315	\$1,230,114	\$34,993,637	\$0	\$0	\$0	\$47,054,066			\$47,722,087	
ASSUMILE OF THE SOS DATOLO SLOODINALL	0	FOD 0		r.o.		<b>#</b> 0	©4 500 000	<b>#</b> 200 000	<b>#</b> 0	60	<b>*</b>	<b>64 000 000</b>			<b>#4 000 000</b>	embankment to protect adjacent businesses from flooding. The floodwall alignment (including embankment slope, factors of safety, and
158 WLFL8 TUK-205 RATOLO FLOODWALL	Green	FCD Const		\$0		\$0	\$1,500,000	\$300,000	\$0	\$0	\$0	\$1,800,000			\$1,800,000	necessary real estate) will be finalized during the project design phase.  Tukwila. US Army Corps led project to replace 3500 ft. of Tukwila 205 levee in-place replacement to bring up to 500-year level of protection per
159 WLFL8 TUK-205 USACE GACO REPAIR	Green	Agreement	\$3,959,599	\$8,759,016		\$12,718,615	\$3,493,000	\$60,000	\$11,000	\$0	\$0	\$16,282,615			\$17,240,421	
160 WLFLS PUGET WAY CULVERT	Green	Agreement		\$221,201		\$221,201	\$0	\$0	\$0	\$0	\$0	\$221,201			\$1,800,000	Seattle. This project will replace an aging and undersized creek culvert under Puget Way SW in Seattle.  Seattle. The South Park Drainage Conveyance Improvements Project will install a formal conveyance system in the streets, to get flows to the
161 WLFLS S PARK DRAINAGE IMPROVEMENTS	Green	Agreement	\$7,030,000	\$7,030,404		\$14,060,404	\$0	\$0	\$0	\$0	\$0	\$14,060,404			\$17,105,000	pump station. The conveyance improvements will work in conjunction with the Pump Station.  Seattle. Cost-share construction of pump station to reduce flooding in industrial area. Allocation of funds by year may be revised based on
162 WLFLS SOUTH PARK PUMPSTATION 163 Green-Duwamish Subtotal	Green	Agreement	\$74.650.373	\$766 \$99.048.232	(\$7.562.157)	\$766 \$166.136.448	\$0 \$34,673,525	\$0 \$90,794,032	\$0 \$33,440,065	\$0 \$9.746.756	\$0 \$15.667.592	\$766 \$350,458,418			\$6,505,000 \$461,629,055	updated project schedule. Implemented by the City of Seattle.
164				, , , ,		,,		, , , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , , ,						, , , , , , , , , , , , , , , , , , , ,	
166 WLFL9 212TH AVE SE @ SR 164 FLD IMPRVMNT 167 WLFL9 212TH AVE SE MITIGATION	White	Agreement		\$0 \$65,000		\$0 \$65,000	\$0 \$0	\$0 \$0	\$190,000 \$0	\$0		\$190,000 \$65,000				Enumciaw. Improve the drainage system to alleviate neighborhood flooding. May require improvements outside of the road right-of-way.  Enumciaw. TBD
	White	Agreement					\$0	\$0	\$0	\$0	\$0				¥ ,	Auburn: Install temporary flood protection barriers (HESCOs) on both banks of the White River, upstream of the A Street Bridge in Auburn to
168 WLFL9 A STREET HESCOS	White	FCD Const		\$0	\$420,000	\$420,000						\$420,000			\$420,000	Enumclaw. Park is split by the White River; acquire undevelopable and inaccessible southern portion of park in Pierce County from the City of
169 WLFL9 ANDERSON PARK ACQUISITION	White	FCD Acqu/Elev		\$100,000		\$100,000	\$0	\$0	\$0	\$0	\$0	\$100,000			\$100,000	Pacific. Reduces flood elevations that impact residential neighborhoods in the City of Pacific (200 homes, with \$52 million of assessed and \$13
170 WLFL9 COUNTYLINE TO A STREET	White	FCD Const		\$32,497		\$32,497	\$0	\$0	\$0	\$0	\$0	\$32,497			\$23,926,129	million content value), improves sediment storage and enhances habitat.  Pacific. Construct a new levee setback in the City of Pacific, extending from BNSF railroad bridge embankment to endpoint at Butte Ave. by
171 WLFL9 RIGHT BANK LEVEE SETBACK	White	FCD Const	\$583,755	\$605,082	\$216,322	\$1,405,159	\$1,848,752	\$7,047,482	\$6,811,257	\$135,941	\$0	\$17,248,591			\$32,051,098	
172 WLFL9 SLIPPERY CREEK ACQ	White	FCD Acqu/Elev		\$63,739	(\$63,739)	\$0	\$0	\$0	\$0	\$0	\$0	\$n .			\$116.261	north side of Highway 410. Subsequent site visits identified multiple unpermitted structures and a well; additional funding necessary to
173 WLFL9 STREAM #10.0048 DS CULVERT 174 WLFL9 STREAM #10.0048 US CULVERT	White White	Agreement Agreement	\$45,000 \$188,186	\$0 \$0 \$375,220	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	\$45,000 \$563,406	\$555,000 \$47,000	\$1,000,000 \$10,000	\$50,000 \$0	\$0 \$0		\$1,650,000 \$620,406			\$1,650,000	Auburn. This project will analyze culvert replacement and road-raising options and implement the preferred option.
174 WLFLS STREAM #10.0040 US CULVERT	vviille	Agreement	φ100,100	φ3/3,220		დანა,4Uნ	\$47,000	φ10,000	Φ0	\$0	Φ0	<b>Φ</b> 0∠∪,40b			φ992,052	Auburn. This project will analyze culvert replacement and road-raising options and implement the preferred option.  Auburn. Loss of facing rock along 130' of the lower half of the embankment. Some of the gravel fill under the rock has eroded as well, leaving
175 WLFL9 STUCK R DR 2019 REPAIR	White	FCD Const	\$5,000	\$82,828		\$87,828	\$0	\$0	\$0	\$0	\$0	\$87,828			\$820,294	a near-vertical face supporting the rock remaining on the upper slope. The rock that slid down is currently providing scour protection at the toe.
176 WLFL9 STUCK R DR FLOOD PROTECTION 177 WLFL9 WHITE RIVER CIS	White	FCD Const FCD Const		\$0 \$0		\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0	\$0	\$1,000,000 \$0				Auburn. TBD  Auburn: Identify and prioritize near-, mid-, and long-term capital projects for Flood Control District funding along the White River.
178 White Subtotal			\$821,941	\$1,324,366	\$572,583	\$2,718,890	\$2,450,752	\$8,057,482	\$7,051,257	\$135,941	\$1,000,000	\$21,414,322			\$61,331,634	
180 181 WLFLG FLOOD REDUCTION GRANTS	Countywide	Grant	\$21,301,795	\$9,888,202		\$31,189,997	\$12,611,180	\$12,928,346	\$13.253 488	\$13,586,807	\$13,928 509	\$97,498,327			\$114,342 583	Competitive grant program for flood reduction projects. Increases as a proportion of total FCD tax revenue.
182 WLFLG COASTAL EROSION/FLOODING GRANTS	Countywide	Grant	(\$3,000,000)	\$3,000,000		\$0	\$0	\$0	\$13,233,466 \$0	\$13,300,007		\$0 \$0			\$0	gramman and most reasonant projector mercanes as a proportion or total river tax returnes.
183 WLFLG CULVERT & FISH PASSAGE GRANTS	Countywide	Grant	(\$3,000,000)	\$3,000,000	<u>ı                                      </u>	\$0	\$0	\$0	\$0	ı \$0	\$0	\$0	<u> </u>		\$0	

					2022							Total				Comments
			2022	2021	Reallocation	2022	2023	2024	2025	2026	2027	(Including 2021	CIS	CIS	Project Life	
No. Title	Basin	Type of project	Adopted	Carryover	Request	Revised	Projected	Projected	Projected	Projected	Projected	Carryover)	Year 7-10	10+ Year	Total	
184 WLFLG URBAN STREAMS GRANTS	Countywide	Grant	(\$3,000,000)	\$3,000,000		\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$0	
																Cooperative Watershed Management Grant Program; priorities recommended by watershed groups. Increase based on assumed inflation rate.
185 WLFLG WRIA GRANTS	Countywide	Grant	\$10,007,902	\$15,507,567		\$25,515,469	\$10,259,596	\$10,517,620	\$10,782,133	\$11,053,299	\$11,331,285	\$79,459,402			\$115,638,509	
186 WLFLM EFFECTIVENESS MONITORING	Countywide	FCD Const	\$850,701	\$798,669		\$1,649,370	\$1,191,950	\$1,064,100	\$815,500	\$628,200	\$608,500	\$5,957,620			\$10,614,573	Evaluation of capital projects to determine effectiveness and identify project design improvements.
																Allocation to all King County jurisdictions for flooding, water quality, or watershed management projects. Increases as a proportion of total FCD
187 WLFLO SUBREGNL OPPRTNTY FUND	Countywide	Grant	\$6,012,016	\$16,667,054		\$22,679,070	\$6,092,142	\$6,170,764	\$6,247,632	\$6,324,334	\$6,408,362	\$53,922,304			\$104,632,133	tax revenue.
188 WLFLX CENTRAL CHARGES	Countywide	FCD Const	\$100,000	\$97,850	\$102,150	\$300,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$800,000			\$1,813,643	Central charges related to the FCD's capital fund.
189 WLFLX CONST MATERIALS STOCKPILE	Countywide	FCD Const		\$350,008		\$350,008	\$0	\$0	\$0	\$0	\$0	\$350,008				Stockpile role for future flood damage repairs.
190 WLFLX FLOOD EMERGENCY CONTGNCY	Countywide	FCD Const		\$1,250,000	(\$250,000)	\$1,000,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$2,250,000			\$2,669,042	Contingency for emergency response actions during a flood event.
191 Countywide Subtotal			\$29,272,414	\$53,559,350	(\$147,850)	\$82,683,914	\$30,504,868	\$31,030,830	\$31,448,753	\$31,942,640	\$32,626,656	\$240,237,661			\$350,210,482	
192																
193 Grand Total			\$144,903,015	\$197,677,425	(\$5,462,478)	\$337,117,962	\$103,209,364	\$168,942,585	\$108,864,364	\$70,238,745	\$61,677,274	\$850,050,294			\$1,490,479,817	