

KING COUNTY FLOOD CONTROL DISTRICT

Signature Report

King County Courthouse 516 Third Avenue Room 1200 Seattle, WA 98104

FCD Resolution FCD2023-06

	Proposed No. FCD2023-06.2 Sponsors
1	A RESOLUTION relating to the operation and
2	finances of the King County Flood Control Zone
3	District; adopting a revised 2023 budget, operating
4	budget, capital budget, six-year capital
5	improvement program for 2023-2028; and
6	amending Resolution FCD2022-13.
7	WHEREAS, the King County Flood Control Zone District ("District") adopted its
8	2023 work program, budget, operating budget, capital budget, and six-year capital
9	improvement program with Resolution FCD2022-13, and
10	WHEREAS, the annual carry-forward budget resolution is necessary to provide
11	budget authority for unspent appropriations from the prior year and to reinstate contract
12	encumbrances, and
13	WHEREAS, the carry-forward amount for unspent appropriations from 2022 to
14	2023 is \$259,562,915, and
15	WHEREAS, pursuant to RCW 86.15.140, the District held a public hearing on the
16	proposed carry-forward amount and a supplemental budget on June 13, 2023, and
17	WHEREAS, pursuant to RCW 86.15.110, the board of supervisors ("Board") has
18	determined that the flood control improvements adopted by this resolution generally
19	contribute to the objectives of the District's comprehensive plan of development, and

20	WHEREAS, the Board desires to adopt amendments to the District's 2023									
21	budget, operating budget, capital budget, and six-year capital improvement program;									
22	NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF									
23	SUPERVISORS OF THE KING COUNTY FLOOD CONTROL ZONE DISTRICT:									
24	SECTION 1. The Board adopts a revised 2023 budget for the District, as set forth									
25	in Attachment B to this resolution, titled "2023 Reallocation Budget May 11, 2023," and									
26	amends Section 1 of FCD2022-13 accordingly.									
27	SECTION 2. The Board adopts a revised 2023 operating budget for the District,									
28	as set forth in Attachment C to this resolution, titled "2023 Reallocated Operating Budget									
29	May 11, 2023," and amends Section 1 of FCD2022-13 accordingly.									
30	SECTION 3. The Board adopts a revised 2023 capital budget for the District,									
31	consisting of the projects and expenditures as set forth in Attachment D to this resolution,									
32	titled "2023 Reallocated Capital Budget May 11, 2023," and amends Section 1 of									
33	FCD2022-13 accordingly.									
34	SECTION 4. The Board adopts a revised six-year capital improvement program									
35	for the District, as set forth in Attachment E to this resolution, titled "2023-2028									
36	Reallocated Six-Year CIP May 11, 2023," and amends Section 1 of FCD2022-13									
37	accordingly.									
38	SECTION 5. The Board adopts a revised 2022-2027 capital budget project list, as									
39	set forth in Attachment H to this resolution, titled "2023-2028 Six-Year CIP Project									
40	Allocations + Carryover May 11, 2023," and amends Section 1 of FCD2022-13									
41	accordingly.									
42	SECTION 6. The Board desires to continue its partnership with the City of									

Bellevue on the 148th Ave SE Larsen Lake Bellevue Project and increases the project
budget by \$138,500 to a total project budget of \$538,500.

45 SECTION 7. The Board desires to partner with the City of Seattle (Seattle), as its 46 service provider, to create a South Park Interim Flood Preparedness and Emergency 47 Response Program (Program). The Program cost is \$1,551,000 and shall include: (1) 48 \$1,296,000 for the installation and maintenance of a temporary flood barrier in the South 49 Park neighborhood. The allocation of the \$1,296,000 is as follows, (i) \$546,000 to purchase six pumps by December 31, 2023, (ii) \$110,000 to purchase an operations 50 51 staging trailer by December 31, 2023, and (iii) \$640,000 to provide project management 52 and oversight including store, stage and demobilize the temporary equipment and 53 supplies for the temporary flood barriers; operate the pumps, deploy community 54 sandbags, obtain street use permits; (2) \$225,000 for culturally appropriate public 55 education and outreach of the flood risk in the South Park neighborhood and engage 56 residents to provide input into near and long-term flood risk reduction strategies; and (3) 57 \$30,000 for the development of South Park specific communication materials to increase 58 an understanding of the flood risks in the South Park neighborhood. These materials will 59 be developed in partnership with the community and will be produced in multiple 60 languages.

61 <u>SECTION 8.</u> The Board directs King County to review the feasibility and 62 develop recommendations to expand the King County Flood Warning Program to include 63 forecasted King Tide events on the Duwamish River by October 1, 2024. This report 64 shall include (1) the cost associated with an expansion to the King County Flood Warning 65 Program to include forecasted King Tide events on the Duwamish River, (2) potential

66	flood phases on the Duwamish River as the result of forecasted King Tide events, (3)
67	potential flood patrol routes along the Duwamish River in the event of forecasted King
68	Tide events, (4) whether King County would open the King County Flood Warning
69	Center as the result of flooding along the Duwamish River as a result of a forecasted
70	King Tide event, and (5) a timeline to implement an expansion of the King County Flood
71	Warning Program to include forecasted King Tide events on the Duwamish River. This
72	report shall be transmitted to the District by October 15, 2023.
73	SECTION 9. The Board desires to partner with the City of Snoqualmie
74	("Snoqualmie") by contributing \$3,000,000 of District funds to the purchase of 15 parcels
75	located in Snoqualmie provided that (i) the District contribution to each parcel does not
76	exceed 75% of the purchase price, (ii) the District contribution to each parcel shall not
77	exceed \$600,000, (iii) Snoqualmie places conservation easements on those parcels; and
78	(iv) Snoqualmie purchases the parcels by December 31, 2028. The 15 parcels are: parcel
79	numbers 7850200060, 7849200060, 7849200055, 7849200041, 7849200040,
80	7849200064, 7849200425, 7849200450, 7849200455, 7849200460, 5417600175,
81	5417600210, 5417600215, 5417600225, and 7849200025.
82	SECTION 10.
83	A. The Board authorizes the extension, enlargement, acquisition or construction
84	of improvements, as applicable, as set forth on Attachments B, C, D, E and H of this
85	resolution.
86	B. The 2006 King County Flood Hazard Management Plan ("Flood Plan"), as
87	amended, serves as the comprehensive plan of development for flood control and
88	floodplain management, and has been prepared for the streams or watercourses upon

89	which the improvements will be enlarged, extended, acquired or constructed. The
90	improvements authorized herein generally contribute to the objectives of the Flood Plan.
91	C. For improvements that are to be constructed, preliminary engineering studies
92	and plans have been made, consisting of one or more of the following: the 2006 Flood
93	Plan, as amended, preliminary feasibility analyses, conceptual designs and design
94	manuals, and such plans and studies are on file with the county engineer.
95	D. Estimated costs for acquisitions and improvements together with supporting
96	data are set forth on Attachments B, C, D, E and H.

- 97 E. The improvements set forth in Attachments B, C, D, E and H are determined
- 98 to benefit the county as a whole, as well as the zone.

FCD Resolution FCD2023-06 was introduced on 5/17/2023 and passed as amended by the King County Flood Control District on 7/11/2023, by the following vote:

Yes: 9 - Balducci, Dembowski, Dunn, Kohl-Welles, McDermott, Perry, Upthegrove, von Reichbauer and Zahilay

KING COUNTY FLOOD CONTROL DISTRICT KING COUNTY, WASHINGTON

Signed by: B60CACB4B3EC49E.

Reagan Dunn, Chair

ATTEST: DocuSigned by: Kussell felled

Russell Pethel, Clerk of the District

Attachments: B. FCD 2023 Reallocation Budget 5.12, C. FCD 2023 Operating Budget 5.12, D. FCD 2023 Capital Budget 5.12, E. FCD 2023 Six Year CIP 5.12, H. FCD 2023 Capital Project List 5.12

2023 Reallocation Budget Attachment B

May 11, 2023

Program	2023 Approved	2022 Carryover	2023 Reallocation	2023 Revised
Flood District Administration	\$2,488,637	\$0	\$0	\$2,488,637
Maintenance and Operation	\$15,808,156	\$254,000	\$0	\$16,062,156
Construction and Improvements	\$47,656,893	\$259,562,915	(\$45,469,541)	\$261,750,267
Bond Retirement and Interest Total	\$0 \$65,953,686	\$0 \$259,816,915	\$0 (\$45,469,541)	\$0
lotai	φ0 3 ,933,000	φ239,010,913	(\$43,403,341)	φ200,301,000
Projected Capital Reserves - Cash Fund Balance ¹ Projected Capital Reserves - Budgetary Fund Balance ²	\$35,994,288 (\$223,271,246)			\$23,578,207 (\$184,488,889)

¹ The cash fund balance assumes an expenditure rate of 21% of the capital budget in 2023, informed by prior year actuals.

² The budgetary fund balance assumes 100% expenditure of all budgeted amounts and is used to understand budgetary commitment.

2023 Reallocated Operating Budget Attachment C

May 11, 2023

	2023	2022	2023	
	Approved	Carryover	Revised	Comments
Annual Maintenance	\$2,836,298		\$2,836,298	
Flood Hazards Plan, Grants, Outreach	\$982,429	\$254,000	\$1,236,429	Carryover expenditure authority for the Flood Plan Update.
Flood Hazard Studies, Maps, Technical Services	\$2,786,712		\$2,786,712	
Flood Preparation, Flood Warning Center	1,291,336		\$1,291,336	
Program Management, Supervision, Finance, Budget	\$2,006,077		\$2,006,077	
Program Implementation	\$2,015,876		\$2,015,876	
Overhead / Central Costs*	3,889,428		\$3,889,428	
Total	\$15,808,156	\$254,000	\$16,062,156	

* A portion of these overhead costs are reimbursed by the capital fund for staff time loaned out to capital projects.

2023 Reallocated Capital Budget Attachment D

May 11, 2023

Basin	Acquisition	Design	Construction	Contingency	Total
Snoqualmie River Basin	\$9,003,982	\$7,444,189	\$14,396,660	\$0	\$30,844,831
Cedar River Basin	\$5,383,725	\$6,336,049	\$26,770,532	\$0	\$38,490,306
Green River Basin	\$26,832,036	\$39,544,324	\$23,892,081	\$0	\$90,268,441
White River Basin	\$684,806	\$1,566,597	\$446,790	\$0	\$2,698,193
Effectiveness Monitoring	\$0	\$1,168,756	\$0	\$0	\$1,168,756
Countywide Miscellaneous	\$0	\$0	\$3,500,000	\$1,300,000	\$4,800,000
Opportunity Fund	\$0	\$0	\$25,081,811	\$0	\$25,081,811
Grant Funds	\$0	\$0	\$68,397,929	\$0	\$68,397,929
Total	\$41,904,549	\$56,059,915	\$162,485,803	\$1,300,000	\$261,750,267

2023 - 2028 Reallocated Six-Year CIP

Attachment E May 11, 2023

Name	2023 Approved	2022 Carryover	2023 Reallocation	2023 Revised	2024	2025	2026	2027	2028	2023 - 2028 Total
					-			-		
Snoqualmie River Basin	\$12,509,010	\$24,717,782	(\$6,381,961)	\$30,844,831	\$16,944,783	\$31,759,929	\$29,904,415	\$26,937,329	\$22,991,954	\$159,383,241
Cedar River Basin	\$13,737,117	\$35,016,089	(\$10,262,900)	\$38,490,306	\$8,658,296	\$9,850,335	\$3,748,000	\$3,200,000	\$13,700,000	\$77,646,937
Green River Basin	(\$16,600,477)	\$132,506,046	(\$25,637,128)	\$90,268,441	\$54,915,584	\$111,295,876	\$31,216,699	\$8,975,367	\$11,652,427	\$308,324,394
White River Basin	\$4,173,844	\$1,152,741	(\$2,628,392)	\$2,698,193	\$4,503,700	\$5,567,310	\$4,226,735	\$251,436	\$1,394,870	\$18,642,244
Effectiveness Monitoring	\$633,839	\$958,070	(\$423,153)	\$1,168,756	\$1,019,320	\$832,410	\$850,660	\$638,080	\$963,850	\$5,473,076
Countywide Miscellaneous	\$3,700,000	\$1,236,007	(\$136,007)	\$4,800,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$5,800,000
Subregional Opportunity Fun	\$6,023,427	\$19,058,384	\$0	\$25,081,811	\$6,095,244	\$6,166,947	\$6,238,700	\$6,309,405	\$6,381,180	\$56,273,287
Flood Reduction Grants	\$23,480,133	\$44,917,796	\$0	\$68,397,929	\$24,321,176	\$25,192,345	\$26,094,718	\$27,029,414	\$27,997,590	\$199,033,172
Total	\$47,656,893	\$259,562,915	(\$45,469,541)	\$261,750,267	\$116,658,102	\$190,865,152	\$102,479,927	\$73,541,031	\$85,281,871	\$830,576,351

2023 - 2028 Six-Year CIP Project Allocations + Carryover Attachment H May 11, 2023

											Comments
No	Title	Basin	Type of project	2022 Inception to Date Budget	2022 Inception to Date Expendiure	2023 Adopted	2022 Carryover	2023 Reallocation Request	2023 Revised	Project Life Total	
	1 WLFL0 SF SKYKMSH REP LOSS MIT	SF Skykomish	FCD Acqu/Elev	\$5,600,486	\$3,177,614	\$578,555	\$2,422,872	\$0	\$3,001,427	\$10,179,041	Baring. This project will elevate or buyout individ damage during future flood events.
2	2 WLFL0 TIMBER LN EROSN BUYOUTS	SF Skykomish	FCD Acqu/Elev	\$2,812,095	\$1,972,649		\$839,446	\$0	\$839,446	\$6,812,095	Skykomish. This project will continue to acquire forces as well as inundation in some places.
:	3 WLFL0 TIMBERLANE 2019 REPAIR	SF Skykomish	FCD Const	\$553,246	\$567,117		(\$13,871)	\$13,871	\$0	\$567,117	
	4 WLFL1 BENDIGO UPR SETBACK N BEND	Upper Snog	Agreement	\$50.000	\$2,621		\$47,379	\$0	\$47.379	\$4,250,000	North Bend. Cost-share of \$8.4M levee setback railway lines and roadways. Project would recon
	WLFLT DENDIGO OPR SETBACK N BEND	Upper Snoq	FCD Const	\$50,000	\$2,621		(\$5,438)	\$0	\$352.440	. , ,	quidelines. City has submitted grant application North Bend. This project will determine a preferr Neighborhood on the South Fork Snogualmie R
	WEPET GROLE KVK KANCH KISK KED	Opper Snoq	FCD Collst	\$1,109,922	\$1,195,560		(\$5,436)	\$337,676	\$3 <u>5</u> 2,440	\$1,951,542	Provide 20% local match to repair erosion to the (USACE) PL 84-99 Levee Rehabilitation and Ins
6	WLFL1 MASON THORSON ELLS 2022 REPAIR	Upper Snoq	FCD Const	\$155,000	\$56,225		\$98,775	\$50,000	\$148,775	\$205,000	February 2020 flood event and the proposed pro North Bend. Overflow channels originating from
	WLFL1 MF FLOOD CONVEYANCE N BEND	Upper Snog	Agreement	\$300,000	\$0	\$1,500,000	\$300,000	\$0	\$1,800,000	\$1,800,000	to homes and infrastructure. Potential solutions
	3 WLFL1 MF RESIDENTIAL FLD MTGTN	Upper Snog	FCD Acqu/Elev	\$2,292,231	\$20,030	\$1.712.231	\$2,272,201	(\$2,272,201)	\$1.712.231		North Bend. Work with willing sellers to acquire Capital Investment Strategy)
				•,,	· · · · · · · · · · · · · · · · · · ·	····	•=;=·=;=•·	(+-))/	••·,•·=,=•·	····	North Bend: Remove the rock revetment locate Middle Fork Snoqualmie River to restore habitat
ę	WLFL1 NF CONFLUENCE REVETMENT REMOVAL	Upper Snoq	FCD Const				\$0	\$128,356	\$128,356	\$128,356	
1(WLFL1 NF SNOQUALMIE RES FLD MIT	Upper Snoq	FCD Acqu/Elev	\$2,000,000	\$53	\$2,000,000	\$1,999,947	(\$1,999,947)	\$2,000,000	\$12,000,053	
											box culvert. The new culvert will reduce the time crossing. Currently when the North Fork Snoqu
	VLFL1 NORMAN CREEK DS CULV 2 WLFL1 NORMAN CREEK US 2024 CULV	Upper Snoq Upper Snoq	Agreement Agreement	\$724,000 \$0	\$722,080 \$0	\$350,000	\$1,920 \$0	\$0 \$0			Norman Creek crossing is the normal outflow fo North Bend. Improve SE 92nd Street, east of 42
1:	3 WLFL1 NORTH FORK BRIDGE FEASIBILITY	Upper Snoq	Agreement	\$464,583	\$419,069		\$45,514	\$0	\$45,514	\$464,583	North Bend. Initiate feasibility study to mitigate the foundations or alternative risk mitigation strateget
											Snoqualmie. Repair downstream 200 lineal feet a City of Snoqualmie stormwater outfall pipe at t
14	WLFL1 RECORD OFFICE 2016 REPAIR	Upper Snoq	Agreement	\$3,883,278	\$3,394,709		\$488,569	\$0	\$488,569	\$3,883,278	
15	WLFL1 REIF RD LEVEE IMPROVEMENTS	Upper Snoq	FCD Const	\$67,000	\$0		\$67,000	\$0	\$67,000	\$1,427,000	North Bend. Conduct a feasibility study to deterr repair and/or raise levee in place / setback levee
16	WLFL1 REINIG RD RVTMNT 2016 REPAIR	Upper Snoq	FCD Const	\$6,871,008	\$6,823,548	\$20,000	\$47,460	\$0	\$67,460	\$6,891,008	North Bend. Repair three primary damage sites lineal feet. Construction is anticipated in 2021.
	WLFL1 RIBARY CREEK	Upper Snoq Upper Snoq	Agreement FCD Const	\$952,660	\$27,664		\$924,996 \$0	\$0 \$0		\$7,121,653 \$57,100,000	North Bend. Address flooding from Ribary Creel high flows. North Bend. Implement projects identified in the
	WLFL1 SF CIS LONG TERM	Upper Snoq	FCD Const				\$0 \$0				North Bend. Implement projects identified in the North Bend. Implement projects identified in the North Bend. Total breach of levee - erosion and
20	WLFL1 SHAKE MILL LB 2016 REPAIR	Upper Snoq	FCD Const	\$3,139,161	\$2,939,114		\$200,047	\$0	\$200,047	\$3,139,161	infrastructure. Continued erosion could threaten North Bend. Between 428th St Bridge and Tate
2.	WLFL1 SHAKE MILL RB 2016 REPAIR	Upper Snog	FCD Const	\$672,229	\$676,384		(\$4,155)	\$4,155	\$0	\$676 384	erosion along 50-60 feet of river bank. Actual ga
				<i>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i>	\$\$15,551		(\$1,100)	ψ1,100			Near North Bend in unincorporated King County Fork Snogualmie River and Ribary Creek to imp
22	2 WLFL1 SR202 SF BRIDGE LENGTHEN	Upper Snog	FCD Const				\$0	\$0	\$0	\$100,000	unincorporated King County. Requires state or f
											North Bend. Prepare a Concept Development R option as the current bridge does not provide en
22	2 WLFL1 TATE CR SCOUR FEASIBILITY	Upper Snoq	Agreement			\$150,000	\$0	\$0	\$150,000	\$150,000	during floods. Snoqualmie. This project will continue to acquire
23	3 WLFL1 UPR SNO RES FLD MITIGTN	Upper Snoq	FCD Acqu/Elev	\$17,020,350	\$12,553,741	(\$572,000)	\$4,466,609	(\$894,609)	\$3,000,000	\$24,216,741	erosion, and channel migration damage. Partne City is planning to construct the Riverwalk proje
24	4 WLFL1 USACE PL 84-99 SF SNO	Upper Snoq	FCD Const	\$663,594	\$248,419		\$415,175	\$0	\$415,175	\$663,594	North Bend. Ensure eleven South Fork Snoqual order to receive future assistance from the Corp
	5 WLFL2 264TH AVE NE AT SR 202 FLD IMPRVMNT	Lower Snoq	Agreement				\$0	\$0			Redmond. Alleviate flooding on this sole access during flood events.
	WLFL2 334TH AVE SE & SE 43RD PL FLD IMPRVMNT	Lower Snoq Upper Snoq	Agreement Agreement	\$368,000	\$0	\$1,100,000	\$0 \$368,000	\$0 \$0			Fall City. Improve drainage to alleviate neighbor City of Snogualmie. Elevate several flood-prone
			<u> </u>	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		. ,		<u> </u>	. ,,	, ,,	Duvall. Repair approximately 200 feet of revetm the west side of the Snogualmie Valley downstro
28	3 WLFL2 DUTCHMAN RD REVETMENT	Lower Snoq	FCD Const	\$1,120,888	\$918,067	\$852,322	\$202,821	(\$436,303)	\$618,840	\$10,019,824	Snoqualmie Valley Road NE) which would seven Fall City. Project will reconnect floodplain, remov
29	WLFL2 FALL CITY FLOODPLAIN RESTORATION	Lower Snoq	Agreement	\$300,000	\$66		\$299,934	\$0	\$299,934	\$300,000	protection features. FCD cost-share funding is in

vidual structures in the South Fork Skykomish Basin to eliminate the risk of flooding or erosion

e and remove homes along a stretch of the Skykomish River that are endangered by erosive

F along left bank of South Fork Skykomish River. Unstable section of vertical stacked rock is

illure has occurred previously in this section of revetment. ck project. The levee overtops at a 20-year or greater flood, inundating undeveloped property, onnect 25 acres of floodplain and construct a new levee that meets current engineering

on for the remaining \$4.2 million. erred action to reduce long term risks from channel migration in the Circle River Ranch River. Being conducted concurrent with South Fork Snoqualmie Corridor Plan.

he downstream end of the Mason Thorson Ells levee under the US Army Corps of Engineers nspection Program (RIP). The downstream 60-feet of the levee was damaged during the project will repair the damage and reduce future erosion risk to the facility.

m the Middle Fork Snoqualmie River flow through neighborhoods and cross roads creating risk s include channel modifications, enhancements, and culvert improvements.

e eighteen homes at risk from channel migration along the Middle Fork (Project E in the draft

ted on the left bank of the North Fork Snoqualmie River upstream from its confluence with the at and better allow for natural river processes to function in the project vicinity and avoid longacilities.

rk Snoqualmie basin to reduce the risk of flood, erosion, and channel migration damage and

8" corrugated metal pipes on Norman Creek under 428th Ave SE with a new precast concrete ne it takes to drain the flood waters off of private property by increasing the capacity of the ualmie River overflows water backs up against 428th and impedes use of the roadway as the for this flood water once the North Fork has overtopped the adiacent levees

428th Street, and alleviate roadway flooding by installing a new box culvert. the risk of scour damage to the North Fork Bridge by retrofitting the existing structure with deep

et of facility which is missing face rock and toe rock. A significant scour hole has formed around t the downstream end of facility. Potential erosion impact to Park Ave SE in City of Snoqualmie, alk" park and trail project. Project implemented by City of Snoqualmie as part of Riverwalk

ermine ways of preventing the overtopping of the Reif Rd Levee. Potential solutions include: ee / gravel removal / home elevations.

is just upstream and directly across from the South Fork Snoqualmie confluence totaling ~285

ek at Bendigo Blvd in North Bend as the Snogualmie levees prevent drainage to the river during

ne Capital Investment Strategy, approved as policy direction by the Executive Committee. ne Capital Investment Strategy, approved as policy direction by the Executive Committee. Ind lateral channel migration is ongoing. No immediately adjacent private property or en 428th Ave embankment or bridge.

e Creek, several locations on levee where toe-rock dislodged and corresponding minor bank gaps range between 6-10 feet. Missing toe rock compromises levee integrity, increasing its re. Failure of this facility could result in damage to a heavily used county road (428th Ave SE). ty. Placeholder funding to partner with WSDOT to expand bridge SR202 opening over South nprove conveyance and reduce upstream flood impacts. Supported by Near North Bend in federal funding. Relative contribution of this project is being evaluated in the SF Snoqualmie

Report (CDR) to analyze and select best span/alignment replacement bridge and road-raising enough hydraulic opening due to the transport of sediments and water overtops the approaches

ire or elevate flood-prone structures in the Upper Snoqualmie basin to reduce the risk of flood, nership with City of Snoqualmie to elevate homes and cost-share acquisition of homes where

ject. Ialmie River levees meet the standards of the US Army Corps of Engineers PL 84-99 program in rps in the event of flood damage to the levees.. ss road by replacing the existing culverts and raising the roadway to elminate over-topping

orhood flooding by constructing a drainage system to flow to the Snoqualmie River. he homes in the areas around Walnut St and Northern St.

ment. Dutchman Road in this location provides the sole access to residences and business on tream of Duvall. Continued erosion of the revetment could result in erosion of the road (West verely limit access to the downstream property owners during or following a flood event. oving the aging Hafner and Barfuse facilities and replacing with modern flood and erosion intended for design of flood risk reduction features.

				2022 Inception to Date	2022 Inception to Date	2023	2022	2023 Reallocation	2023	Project Life	Comments
No	. Title	Basin	Type of project	Budget	Expendiure	Adopted	Carryover	Request	Revised	Total	Carnation. This project provides technical and co
									_		them better withstand the impacts of flooding. Sp
30	WLFL2 FARM FLOOD TSK FORCE IMP	Lower Snoq	FCD Acqu/Elev	\$979,803	\$851,768		\$128,035	\$0	\$128,035	\$979,803	structures. Duvall. Strengthen the bridge structure to stabiliz
			A	*5 44,000	\$004 500	¢100.000	¢000.407	*	¢ 405 407	¢700.000	current issue and to protect it against major flood
3	1 WLFL2 FISH HATCHERY RD BR #61B REPAIR	Lower Snoq	Agreement	\$514,000	\$204,503	\$186,000	\$309,497	\$0	\$495,497	\$700,000	bridge against scour. Duvall. Design and repair approximately 800 line
32	2 WLFL2 JOY 2020 REPAIR	Lower Snoq	FCD Const	\$100,000	\$71,603		\$28,397	(\$28,397)	\$0	\$71,603	across from the City of Duvall. Bank erosion is un Fall City. The river is scouring the road away and
3	3 WLFL2 L SNO 2019 BANK REPAIR	Lower Snoq	Agreement	\$2,200,000	\$1,078,929		\$1,121,071	\$0	\$1,121,071	\$2,200,000	revetment and extend MSE wall to prevent under
34	4 WLFL2 L SNO/ALDAIR CORRDOR PLN	Lower Snog	FCD Const	\$7,089,214	\$7,039,008	(\$50,207)	\$50,206	\$0	(\$1)	\$7,039,007	Fall City. The river is scouring the road away and revetment and extend MSE wall to prevent under
											Carnation. This project provides technical and co floodplain to help them better withstand the impa
	4 WLFL2 LWR SNO RESDL FLD MITGTN	Lower Snoq	FCD Acqu/Elev	\$4,005,156	\$3,272,960	\$550,971	\$732,196	\$1,036,450	\$2,319,617	\$8,092,577	or flood proofing of agricultural structures.
3	WLFL2 MUD CREEK SEDIMENT FACILITY	Lower Snoq	FCD Const	\$432,000	\$30,101		\$401,899	\$0	\$401,899	\$432,000	Snoqualmie. Design and permit a sediment facili Snoqualmie. Reconstruct upstream 150 feet of the
30	6 WLFL2 PUMP STATION REVETMENT REPAIR	Lower Snoq	FCD Const			\$103,030	\$0	\$0	\$103,030	\$1,589,602	Snoqualmie's Meadowbrook Pump Station.
3	7 WLFL2 SNOQUALMIE VALLEY FEAS	Lower Snoq	Agreement	\$401,000	\$48,791	\$99,000	\$352,209	\$0	\$451,209	\$500,000	Duvall. Regional flooding in the Snoqualmie Valle Snoqualmie Valley would be the most cost effect
3	8 WLFL2 STOSSEL RB 2018 REPAIR	Lower Snog	FCD Const	\$1,057,886	\$1,026,394		\$31,492	\$0	\$31,492	\$1,057,886	Carnation. This completed project repaired appro Right Bank Revetment on the Snoqualmie River,
	WLFL2 STOSSEL REVETMENT	Lower Snoq	FCD Const	\$536,598	\$479,034	\$2,076,600	\$57,564	(\$1,956,120)	\$178,044		Carnation. Placeholder costs for long-term facility
											Carnation. This project will repair approximately & of the Snogualmie River channel threatens to un
4(WLFL2 TOLT PIPELINE PROTECTION	Lower Snoq	FCD Const	\$10,745,036	\$10,745,450		(\$414)	\$414	\$0	\$10,745,450	Construction is complete. Carnation. Facility failure has consequences for p
4	1 WLFL3 HOLBERG 2019 REPAIR	Tolt	FCD Const	\$250,000	\$0		\$250,000	\$0	\$250,000	\$560,000	damage to residences and property.
4	2 WLFL3 HOLBERG FEASIBILITY	Tolt	FCD Const	\$412,149	\$355,355		\$56,794	(\$17,304)	\$39,490	\$394 845	Carnation. Feasibility study to determine the natu King County from the regulatory Channel Migration
					· /	* 4 400 000	. ,		· · · ·	. ,	Carnation. Capital Investment Strategy. Design,
4,	3 WLFL3 LOWER FREW LEVEE SETBACK	Tolt	FCD Const	\$1,121,096	\$364,663	\$1,130,000	\$756,433	\$0	\$1,886,433	\$17,565,777	Phase 2 construction estimated in CIS at \$14.5M Carnation. Acquire high-priority flood risk reduction
44	4 WLFL3 LOWER TOLT RIVER ACQUISITION	Tolt	FCD Acqu/Elev	\$1,529,475	\$543,853	\$17,000	\$985,622	\$0	\$1,002,622	\$3,546,475	Investment Strategy. Carnation. Capital Investment Strategy: Acquire 2
4	5 WLFL3 RIO VISTA PROPERTY ACQ	Tolt	FCD Acqu/Elev	\$3,467,331	\$2,551,027	\$139,000	\$916,304	\$0	\$1,055,304	\$8,856,331	
											Carnation. This project will buyout remaining pro community access road, ultimately completing pr
4	6 WLFL3 SAN SOUCI NBRHOOD BUYOUT	Tolt	FCD Acqu/Elev	\$5,199,674	\$5,046,463	\$456,789	\$153,211	\$0	\$610,000	\$5,656,463	areas within and just upstream and downstream
4	7 WLFL3 SAN SOUCI ROAD ELEVATION	Tolt	FCD Const	\$725,000	\$52,284		\$672,716	(\$600,000)	\$72,716	\$7,109,980	Carnation. Capital Investment Strategy: Construct Souci neighborhood.
4	3 WLFL3 SEDIMENT MGMT FEAS	Tolt	FCD Const	\$263,706	\$208,477		\$55,229	\$0	\$55,229	\$263,706	Carnation. Capital Investment Strategy: Conduct watershed sediment production estimates.
					· /		. ,		· · · ·	. ,	Carnation. Capital Investment Strategy: Initiate st
50	9 WLFL3 SR 203 BR IMPRVMNTS FEAS WLFL3 TOLT CIS LONG TERM	Tolt Tolt	FCD Const FCD Const	\$395,900	\$187,453		\$208,447 \$0	\$0 \$0	\$208,447 \$0	\$395,900 \$28,800,000	relocate King County Parks parking area. Carnation. Implement projects identified in the Ca
5	1 WLFL3 TOLT CIS MED TERM	Tolt	FCD Const				\$0	\$0	\$0	\$56,250,000	Carnation. Implement projects identified in the Carnation. Capital Investment Strategy: Conduct
	2 WLFL3 TOLT R LEVEE L.O.S. ANALYSIS	Tolt	FCD Const	\$1,055,467	\$934,090		\$121,377	\$77,484	\$198,861		reduction benefits
		Tolt Tolt	FCD Acqu/Elev FCD Const	\$4,922,258	\$3,771,655	(\$27,740) \$50,000	\$1,150,603	\$313,137 \$0	\$1,436,000 \$50,000		Carnation. Capital investment strategy: acquire a Carnation. Reduce neighborhood isolation from f
	5 WLFL3 REMLINGER LEVEE IMPROVEMENTS	Tolt	FCD Const			\$87,459		\$0	\$87,459	\$1,543,400	Carnation. Reduce neighborhood isolation from f Carnation. Capital Investment Strategy: Initiate d
56	5 WLFL3 TOLT R RD NE IMPROVEMENTS	Tolt	FCD Const				\$0	\$0	\$0	\$2,863,630	road elevations as funds become available.
5	WLFL3 UPPER FREW LEVEE SETBACK	Tolt	FCD Const	\$209,000	\$175		\$208,825	(\$158,825)	\$50,000	\$17.725.175	Carnation. Capital Investment Strategy: Initiate th sediment storage and floodwater conveyance; pr
											Preston. Acquisition of single-family homes and f
58	8 WLFL4 ALPINE MANOR NEIGHBORHOOD BUYOUTS	Raging	FCD Acqu/Elev	\$2,183,810	\$1,753,880		\$429,930	\$0	\$429,930	\$2,583,810	the Alpine Manor neighborhood. Fall City. This bridge has a history of scour dama
	WLFL4 RAGING SCOUR REPAIR 2017 Snogualmie-South Fork Skykomish Subtotal	Raging	Agreement	\$80,000 \$101,075,290	\$25,062 \$76,357,510	\$12,509,010	\$54,938 \$24,717,782	\$0 (\$6,381,961)	\$54,938 \$30,844,831	\$80,000 \$425,090,751	footing. It serves only one house but is a designa
6	1			¢:01,010,200	¢: 0,001,010	\$12,000,010	¢2 i,i i i,i o2	(\$0,001,001)	\$00,0 · 1,00 ·	¢ :20,000,101	
62	2										Sammamish. To address chronic flooding on this
6	3 WLFL5 ALLEN LK OUTLET IMPRVMNT	Sammamish	Agreement	\$845,000	\$81,479	\$36,256	\$763,521	\$0	\$799,777	\$2,791,256	retention/detention options; study road-raining op
					. ,	\$30,230	. ,			. , ,	Sammamish. This project will restore access to c
	4 WLFL5 GEORGE DAVIS CRK CITY OF SAMMAMISH WLFL5 IRWIN R 2020 REPAIR	Sammamish Sammamish	Agreement FCD Const	\$400,000 \$724,739	\$0 \$738,537		\$400,000 (\$13,798)	\$0 \$111,298	\$400,000 \$97,500	\$400,000 \$836.037	reducing sediment deposition. Issaquah. Further damage to the facility could cu
	6 WLFL5 ISSAQUAH CREEK CIS	Sammamish	FCD Const	\$100,000	\$0	\$200,000	\$100,000	(\$100,000)	\$200,000		Issaquah: Identify and prioritize near-, mid-, and I
6	7 WLFL5 JEROME 2020 REPAIR	Sammamish	Agreement	\$355,083	\$15,319		\$339,764	\$0	\$339,764	\$355,083	Issaquah. The Jerome Revetment protects three property and damage to private utilities. Loss of the property and damage to private utilities.
6	8 WLFL5 LK SAMMAMISH FLOOD MIT GRANTS	Sammamish	Grant	\$1,000,000	\$0		\$1,000,000	\$0	\$1,000,000	\$1,000,000	Bellevue. Provide near-term grants to fund flood outbuilding and other damage-reduction and floo
			Crain	\$1,000,000			÷1,000,000	<i></i>	÷ 1,000,000	÷.,	Issaquah. Damage to the SE 156th St. road next
	9 WLFL5 MOMB 2020 REPAIR	Sammamish	FCD Const	\$327,670	\$225,090	\$716,721	\$102,580	(\$665,049)	\$154,252	\$387,342	at the downstream end of the facility may further
70	0 WLFL5 SAMMAMISH CIS	Sammamish	FCD Const	\$1,752,520	\$757,483	\$615,881	\$995,037	\$0	\$1,610,918	\$2,916,747	Redmond: Identify and prioritize near-, mid-, and

cost-sharing assistance to agricultural landowners in the Lower Snoqualmie floodplain to help Specific project actions include farm pads and elevation or flood proofing of agricultural

ilize it after the most recent flood event, rebuild the east approach roadway to address the bod events in the future, and restore the eroded creek bed and riverbank profile to buffer the

near feet of bank erosion along the Joy Revetment on the left bank of the Snoqualmie River s undermining an existing road.

and David Powell Road is collapsing into the river. This project will repair an existing failing dercutting of the riverbank and roadway.

and David Powell Road is collapsing into the river. This project will repair an existing failing dercutting of the riverbank and roadway.

cost-sharing assistance to residential and agricultural landowners in the Lower Snoqualmie pacts of flooding. Specific project actions include farm pads, elevations of homes, and elevation

cility to minimize sediment deposition, flooding, and channel avulsions at this site. f the Pump Station Revetment to prevent scour damage to the facility which protects the City of

alley cuts off access to eastern cities. Determine which major roadway(s) that cross the ective to improve in the valley with chronic flood issues impacting over 25,000 daily drivers. proximately 250 feet of damage identified in late March 2018 to a section of the Stossel Bridge er, downstream of the City of Carnation.

ility improvement project to prevent erosion undermining 310th Ave NE. ly 800 linear feet of the Winkelman (formerly RM 13.5) revetment. Erosion along the right bank undermine the Seattle Public Utilities water supply line at this location south of Duvall.

or property owners immediately landward of facility. Potential for high flows and erosive

ature and extent of levee improvements necessary to remove four homes in unincorporated ation Zone as mapped in the March 2017 Draft Tolt River Channel Migration study gn, based on level of service analysis, the highest priority levee setback for flood risk reduction. 5M-\$16.7M

ction properties in the lower two miles of the Tolt River consistent with the adopted Capital

re 2 at-risk homes from willing sellers; acquire remaining 14 homes as funds become available.

properties and remove all homes and privately-constructed rubble levee at upstream end of the project initiated 20 years ago by others. Approximatlely 20 homes removed from high hazard m of San Souci neighborhood.

ruct Tolt Road NE road elevation in one location. Remove illegal revetment and roads in San

uct sediment management feasibility study and develop a plan. Update and include upper

e study (with potential future design and construct) to add bridge span(s), raise the highway and

Capital Investment Strategy, approved as policy direction by the Executive Committee. Capital Investment Strategy, approved as policy direction by the Executive Committee. uct a detailed hydraulic analysis to optimize the elevation of new levees to maximize flood risk

at-risk homes from willing sellers.

n flooding. Evaluate feasibility of elevating sections of Tolt River Road.

m flooding. Evaluate feasibility of elevating sections of Tolt River Road.

e design for elevation of one road location to reduce or eliminate isolation. Implement additional

e the levee setback design in order to apply for grant funding. Levee setback to increase protect adjacent development; reduce damage to trail bridge.

In during acquisition of mobile home park at risk of channel migration along the Raging River in mage. One of the arch foundations is exposed. Repair scour mitigation measures to protect the

nated King County Landmark.

this sole access roadway with approximately 200 properties, look at upstream and downstream options; prepare Concept Development Report, analyze and select best options.

o one river mile of high quality kokanee salmon habitat and reduce the risk of flooding by

cut off the sole access to one resident (via a private road and bridge over the creek). ad long-term capital projects for Flood Control District funding along Issaquah Creek. the private residences in the City of Issaquah. Erosion of the revetment could result in loss of of bank in front of middle property. 70 linear feet (LF) of erosion.

od mitigation options for lakeside landowners, such as floating docks, relocation or elevation of loodproofing measures. Established pursuant to FCDEM2021-3.

ext flood season could cut off the sole access to a community of about 30 homes. More erosion er destabilize the steep slope of the landslide and threaten downstream homeowners.

nd long-term capital projects for Flood Control District funding along the Sammamish River.

				2022 Inception to Date	2022 Inception to Date	2023	2022	2023 Reallocation	2023	Project Life	Comments
No.	Title	Basin	Type of project		Expendiure	Adopted	Carryover	Request	Revised	Total	
71	WLFL5 WILLOWMOOR FLDPLAIN REST	Sammamish	FCD Const	\$4,520,977	\$3,760,423	\$284,915	\$760,554	(\$584,021)	\$461,448	\$4,221,871	Redmond. Willowmoor Floodplain Restoration Pr while maintaining downstream Sammamish Rive Sammamish transition zone to ensure ongoing fl conditions improvement, and reduction of mainte review scheduled to be completed in December 2
											Bellevue. Conduct a site assessment and initiate
72	WLFL6 148TH AVE SE LARSEN LK BELLEVUE	Lk Wash Tribs	Agreement	\$400,000	\$314,798		\$85,202	\$0	\$85,202	\$400,000	design to reduce or eliminate roadway flooding of Kelsev Creek where it floods 148th Avenue SE d

n Project seeks to reduce the frequency and duration of high lake levels in Lake Sammamish River flood control performance and enhancing habitat. The project will reconfigure the ng flow conveyance, downstream flood control, potential extreme lake level reduction, habitat intenance impacts and costs. Project is currently on hold pending completion of a 3rd party per 2020. The 2021 funding shown here is a placeholder only pending the outcome of the review.

iate preliminary design to progress toward construction of best drainage treatments and resilient ig on 148th Ave SE. Improve high water flow capacity for Larsen Lake/Lake Hills Greenbelt to E during moderate to severe storm and longer duration rainfall periods.

				2022	2022						Comments
				Inception to Date	Inception to Date	2023	2022	2023 Reallocation	2023	Project Life	
		Basin	Type of project	Budget	Expendiure	Adopted	Carryover	Request	Revised	Total	De des and Destant Avendela Del frame an amb anti-
73	WLFL6 BEAR CRK FLOOD EROSION REDMOND	Lk Wash Tribs	Agreement	\$1,550,000	\$128		\$1,549,872	\$0	\$1,549,872	\$1,550,000	Redmond. Protect Avondale Rd from an embanki Bellevue. Reduce flooding during high-intensity st
											Bellevue. These events have increased in freque
74	WLFL6 FACTORIA BLVD DRAINAGE	Lk Wash Tribs	Agreement	\$6,814,000	\$0		\$6,814,000	\$0	\$6,814,000	\$6,814,000	Issaquah. Prepare a feasibility analysis report whi
											hydraulic analysis to idenify potential solutions to
75	WLFL6 ISSAQUAH TRIB FEAS	Lk Wash Tribs	Agreement	\$350,000	\$323,371		\$26,629	\$0	\$26,629	\$350,000	and pose risks to the stability of the bridge.
76	WLFL6 LOWER COAL CRK PH I	Lk Wash Tribs	Agreement	\$11,561,592	\$11,482,126	\$285,000	\$79,466	\$0	\$364,466	\$14,588,950	Bellevue. Increase conveyance capacity at the fiv redirect them to Lake Washington. Implemented
						· /					Newcastle. As recommended in the May Creek B
77	WLFL6 MAY VALLEY DRAINAGE IMPRVMNT	Lk Wash Tribs	Agreement	\$530,000	\$270,747		\$259,253	\$0	\$259,253	\$530,000	Country Creeks) to limit sediment loading. FCD fu willing sellers for a future sediment facility. 2020 f
			Ť	. ,							Renton. Critical facilities (Utilities, CRT, SR 169).
78	WLFL7 BELMONDO 2020 REPAIR	Cedar	FCD Const	\$318,278	\$269,910	\$847,770	\$48,368	(\$774,248)	\$121,890	\$399,800	Generally exposed bank - damage likely to occur Renton. Residential land use and critical facilities
79	WLFL7 BRODELL 2020 REPAIR	Cedar	FCD Const	\$0	\$0	\$9,403	\$0	(\$9,403)	\$0	\$0	change in conditions. Damage may occur next flo
											Renton. Capital Investment Strategy: Take sever
80	WLFL7 BYERS NEIGHBORHOOD IMPROVEMENTS	Cedar	FCD Const	\$220,000	\$7,954		\$212,046	\$0	\$212,046	\$220.000	acquisition of flood-prone homes, and possible el- light of changed conditions from the 2020 flood di
				. ,							Renton. This project will acquire strategic real est
	WLFL7 CDR PRE-CONST STRTGC ACQ WLFL7 CEDAR CIS LONG TERM	Cedar Cedar	FCD Acqu/Elev FCD Acqu/Elev	\$8,330,532	\$5,275,660		\$3,054,872 \$0	\$0 \$0	\$3,054,872 \$0	\$15,469,411	in the Capital Investment Strategy). Renton Implement projects identified in the Capita
	WLFL7 CEDAR CIS LONG TERM	Cedar	FCD Acqu/Elev				\$0 \$0				Renton.Implement projects identified in the Capita
											Renton. This six-year flood risk reduction capital i
84	WLFL7 CEDAR LEVEE SETBACK FEAS (Cedar Corridor Plan)	Cedar	FCD Const	\$1,987,587	\$1,853,360		\$134,227	(\$134,227)	\$0	\$1,853,360	22) to Lake Washington. Project complete. Close
			10000000	¢1,001,001			. ,			. , ,	Renton. Improve Cedar Grove Road near Byers F
85	WLFL7 CEDAR R DWNSTREAM 2024 IMPV	Cedar	Agreement		\$0		\$0	\$0	\$0	\$100,000	layer of overlay. Renton. This emergency action will armor up to 3
											erosion to the most damaged portion. This emerge
86	WLFL7 CEDAR R TRAIL SITE 2	Cedar	Agreement	\$1,233,000	\$1,234,169		(\$1,169)	\$0	(\$1,169)		referred to as "Zone B."
											Renton. Implement projects identified in the Capit on the CIS: Risk analysis has identified 53 homes
87	WLFL7 CEDAR RES FLOOD MITIGATION	Cedar	FCD Acqu/Elev	\$3,074,000	\$2,806,989	\$1,531,134	\$267,011	\$0	\$1,798,145	\$12,605,134	Elevate or purchase approximately 2 homes per y
											Renton. The project ensures the minimum require
											is a required maintenance action by the Army Cor 2016. Project funding shown herein represent pos
				• • • • • • • • • • • • • • • • • • •	A <i>i</i> a <i>i i</i> a a a		* *****		A A AAA /		next dredging project. Additional funding will be n
	WLFL7 CEDAR RVR GRAVEL REMOVAL WLFL7 CITY OF RENTON LEVEE CERTIFICATION	Cedar Cedar	Agreement Agreement	\$12,835,100 \$5,000,000	\$10,544,625 \$837,922		\$2,290,475 \$4,162,078	\$0 \$0	\$2,290,475 \$4,162,078		mitigation and post-construction monitoring work Renton. Levee improvements necessary to satisfy
00		Ocdai	Agreement	\$5,000,000	φ001,322		φ+,102,070	ψŬ	φ+,102,010	\$5,000,000	Renton. Erosion and scour have resulted in loss of
00		Cadar	FCD Canat	¢427.005	¢047.000	¢255 554	¢000.005	(\$405.444)	¢250.205	¢4 570 045	Scour has undermined numerous large trees, like
90	WLFL7 CRT SITE 5 2020 REPAIR	Cedar	FCD Const	\$437,905	\$217,620	\$255,554	\$220,285	(\$125,444)	\$350,395	\$1,578,015	along approximately 350 feet of facility, near the u Renton, Erosion and scour have resulted in loss of
							•		• · · ·		Scour has undermined numerous large trees, like
91	WLFL7 CRT SITE 5B 2020 REPAIR	Cedar	FCD Const	\$315,000	\$309,477	\$5,000	\$5,523	\$0	\$10,523	\$320,000	along approximately 350 feet of facility, near the u Renton. Critical facilities (Utilities, CRT, SR 169).
											may occur next flood season/likelihood increasing
	WLFL7 CRT2 ZONE D 2020 REPAIR WLFL7 DORRE DON AVULSION ANALYSIS	Cedar Cedar	Agreement FCD Const	\$5,335,656 \$100,000	\$2,808 \$41,893		\$5,332,848 \$58,107	\$0 \$0	\$5,332,848 \$58,107		separately; area is referred to as "Zone D". Renton. The main channel has avulsed into the p
93	WEI'E' DORRE DON AVOLSION ANALTSIS	Cedal	FCD Const	\$100,000	φ 4 1,093		<i>4</i> 56,107	φυ	\$30,107	\$125,000	Renton. Capital Investment Strategy: This project
											levee and road elevation will result in meaningful
											would also evaluate other structural improvement and farther downstream near RM 16.3. The Ceda
94	WLFL7 DORRE DON NBHOOD IMPRVMNT	Cedar	FCD Const	\$800,000	\$0		\$800,000	\$0	\$800,000	\$800,000	flood disaster.
95	WLFL7 HERZMAN LEVEE SETBACK	Cedar	FCD Const	\$3,444,192	\$3,130,416	\$8,201,165	\$313,776	(\$7,932,890)	\$582,051	\$3 951 515	Renton. Capital Investment Strategy: Setback levertend revetment; acquire up to 5 properties.
00		Coddi	100 00100	ψ0, 111, 102	φ0,100,110	<i>\\\\\</i> 0,201,100	<i>\\</i> 010,110	(\$1,002,000)	4002 ,001	\$0,001,010	Issaquah. This project will construct improvement
96	WLFL7 ISSAQUAH MAY VALLEY IMPV	Cedar	Agreement	\$100,000	\$88,319		\$11,681	\$0	\$11,681	\$100,000	travel signal at the intersection of Issaquah Hobar
											Renton. Capital Investment Strategy: Suite of sol Jan Road levee, construction of side channel, and
97	WLFL7 JAN RD LEVEE SETBACK	Cedar	FCD Const	\$15,949,856	\$14,658,251	\$26,204	\$1,291,605	\$0	\$1,317,809		improvements in 2023.
											Renton. Capital Investment Strategy: Conduct fea potential 2) determine infrastructure modifications
98	WLFL7 LOWER CEDAR FEASIBILITY STUDY	Cedar	Agreement	\$520,000	\$349,226		\$170,774	\$0	\$170,774	\$520,000	analysis.
											Renton. Capital Investment Strategy: Raise in pla
99	WLFL7 LOWER JONES ROAD NEIGHBORHOOD	Cedar	FCD Const	\$2,654,203	\$609,831		\$2,044,372	\$0	\$2,044,372	\$2,654,203	capacity; reinforce one revetment; remove portior accommodate Jan Rd construction in 2021 or 202
											Renton. To address a culvert failure affecting app
100	WLFL7 MADSEN CR CULVERT 2017	Cedar	Agreement	\$3,326,000	\$3,248,485		\$77,515	\$0	\$77,515	\$3,326,000	culvert replacement and road-raising option; and Renton. Design and implement phase I improvem
101	WLFL7 MADSEN CR RENTON	Cedar	Agreement	\$635,000	\$597,161		\$37,839	\$0	\$37,839	\$635,000	169 and 25-year level flood protection for properti
102	WLFL7 MAPLEWOOD FEASIBILITY STUDY	Cedar	FCD Const	\$490,246	\$477,246		\$13,000	\$0	\$13,000	\$400 246	Renton. Capital Investment Strategy: Conduct sit opportunities to modify the Erickson Levee. Pend
102				<u></u>	φ411,240		φ13,000		\$13,000	φ 4 90,240	Renton. Critical facilities (Utilities, CRT, SR 169).
103	WLFL7 TABOR-CROWALL REVETMENT	Cedar	FCD Const	\$1,252,339	\$340,696	\$722,114	\$911,643	\$0	\$1,633,757	\$6,498,453	Generally exposed bank along 200 feet - damage
											Renton. This project represents the Flood District preliminary engineering design for potential levee
104	WLFL7 RIVERBEND MHP ACQ	Cedar	FCD Acqu/Elev	\$5,182,126	\$5,182,126		\$48,916	(\$48,916)	\$0	\$5,182,126	reach. Disappropriate remainder after FCD portio

Inkment that has been scoured by floodwaters from Bear Creek.

y storm events along Factoria Boulevard, a major transportation corridor within the City of quency and are anticipated to be even more frequent in the future as a result of climate change.

which will include, but is not limited to, surveying, geotechnical analysis, traffic analysis, and to bridge deficiencies, including a constructed hydraulic opening with piles that collect debris

e five box culvert crossings. Disconnect local storm drainage outfall from Coal Creek and ted by City of Bellevue.

k Basin Plan, two sediment traps will be constructed on May Creek tributaries (Cabbage and D funding is for initial feasibility analysis, landowner outreach, and acquisition of property from 20 funding is for permitting and project design.

9). Regional impact extents. Potential human injury from sudden change in conditions. cur next major high-flow event.

ties (Utilities, CRT, SR 169). Regional impact extents. Potential human injury from sudden tt flood season/likelihood increasing.

veral actions to reduce flood risk including construction of an emergency egress route, e elevation of neighborhood roads. The Cedar CIS will be reviewed by the District in 2021 in

d disaster. estate upon which several large Flood Control District capital projects are dependent (Project J

apital Investment Strategy, approved as policy direction by the Executive Committee. Apital Investment Strategy, approved as policy direction by the Executive Committee. tal investment strategy will cover the Cedar River valley from Landsburg Road SE (River Mile loseout in 2020.

rs Road SE and alleviate roadway flooding by raising the road through the application of a thick

o 300 feet river bank and construct a buried revetment to stabilize the bank and prevent further lergency action and the subsequent extension are upstream of the CRT 2 revetment in an area

apital Investment Strategy, approved as policy direction by the Executive Committee. Project K nes as high risk from flooding and channel migration, but which are not mitigated by projects. er year.

uired 100-year flood conveyance capacity along the lower 1.25 miles of the Cedar River. Project Corps of Engineers Section 205 Flood Control Project. Maintenance dredging took place in post construction mitigation monitoring and reporting as well as the planning and design of the e needed beyond 2026 to cover permitting, mitigation plan development, construction,

ork associated with the next cvcle of dredging. tisfy levee certification engineering recommendations.

sis of toe and bank rock, oversteepened and undercut banks (some portions cantilevered). likely to fall into the channel likely resulting in further damage of the bank. Damage is observed he upstream end.

ss of toe and bank rock, oversteepened and undercut banks (some portions cantilevered). likely to fall into the channel likely resulting in further damage of the bank. Damage is observed ne upstream end.

9). Regional impact extents. Potential human injury from sudden change in conditions. Damage sing. This damage is to the CRT 2 revetment downstream of the emergency repair site listed

e previous left floodplain, leading to erosion of the channel bank, adjacent to 231st PI SE. ject will acquire flood-prone homes per the Cedar CIS, as well as evaluate if changes to the ful flood risk reduction and to determine what level of protection can be provided. The study ients such as raising Lower Dorre Don Way SE upstream and downstream of the trail crossing edar CIS will be reviewed by the District in 2021 in light of changed conditions from the 2020

k levee; excavate side-channel to reduce pressure on revetment; reconstruct, reinforce and/or

nents to the intersection which could be either a roundabout or additional travel lanes with a obart Road SE and SE May Valley Road.

solutions to be determined as part of feasibility study. Includes raise road, partial removal of and mitigation of at-risk properties. Construction phased for mitigation in 2021 and other

t feasibility study of Lower Cedar reach in City of Renton to 1) quantity economic damage ons to improve flood resiliency and sediment storage potential, and 30 conduct cost-benefit

place or setback Jones Road; excavate and stabilize right bank to increase conveyance tion of another revetment; acquire 8 at risk properties Construction delayed to 2024 to 2022.

approximately 10 properties, prepare Concept Development Report to analyze and select best and analyze upstream and downstream retention/detention impacts. vements to Madsen Creek to achieve 100-year level flood protection for properties south of SR

berties north of SR 169. At site specific landslide risk assessment study; conduct a feasibility study to evaluate ending results of landslide hazard analysis, FCD will consider options for a project. S9). Regional impact extents. Potential human injury from sudden change in conditions.

age likely to occur next major high-flow event. rict contribution to a larger project that relocates mobile home park tenants and initiates vee setback / realignment to reduce flood heights, velocities and channel migration risk in this rtion of scope is complete.

Image: Control of the second											Comments
No. Toru Uses Upper Direction Compart Mit International Control (Control (Contro) (Contro) (Control (Control (Contro) (Control (Contro) (Control (-	2022	2022	2022 Poollocation	2022	Project Life	
No. 0.2.10 P.D. Oran 55, 458,00 153,271 10,404,200<	No. Title	Basin	Type of project								
Open Dublic Sectors (color (color <th(color< th=""></th(color<>											
Operation Description Description <thdescription< th=""> <thdescription< th=""> <</thdescription<></thdescription<>		Cedar	FCD Const			\$40 707 447		· · ·			to move forward with preliminary design.
Dia Control Openent Status Status </td <td></td> <td></td> <td></td> <td>\$110,258,189</td> <td>\$75,291,019</td> <td>\$13,737,117</td> <td>\$35,016,089</td> <td>(\$10,262,900)</td> <td>\$38,490,306</td> <td>\$210,337,956</td> <td></td>				\$110,258,189	\$75,291,019	\$13,737,117	\$35,016,089	(\$10,262,900)	\$38,490,306	\$210,337,956	
Bit Instance Open et al. Submitted in the second s	108										
International Control Science Overem Science District District <thdistrit< th=""> <thdistrict< th=""> <thdistric< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></thdistric<></thdistrict<></thdistrit<>											
The NUR-BaseR SCREEK LOD PROLET Game FCD Core \$10,052 State 50 Sta	109 WI FL& BRISCOF LEVEE SETBACK	Green	Agreement	\$23,330,271	\$21 376 494		\$1 953 777	\$0	\$1 953 777	\$23,330,271	
Introduct general field from the set of the					. , ,	A A TATAAAAAAAAAAAAA	. , ,				Renton. This project will design and build the sec
TO DUE NOT BEACH TRUNCT Owner The Source of Control of Cont	110 WLFL8 BRPS CONTROL BLDG RPLCMT	Green	FCD Const	\$1,018,278	\$865,448	\$959,506	\$152,830	(\$833,772)	\$278,564	\$13,053,505	Renton. This project will design and build the four
Under Land Description of the second of the secon	111 WLFL8 BRPS FISH PASS IMPRVMNTS	Green	FCD Const	\$2,359,863	\$1,459,848	\$2,502,589	\$900,015	(\$1,273,330)	\$2,129,274	\$24,455,719	
Trait Control EXEMPTION STRUCT STRUCT <thstruct< th=""> <thstruct< th=""> <thstruct<< td=""><td></td><td></td><td></td><td>\$12,105,573</td><td></td><td>\$635,154</td><td>\$3,626,862</td><td></td><td>\$4,262,016</td><td>\$12,740,727</td><td>engines which run much more frequently than the</td></thstruct<<></thstruct<></thstruct<>				\$12,105,573		\$635,154	\$3,626,862		\$4,262,016	\$12,740,727	engines which run much more frequently than the
In MAIL REPS SUMMAY INV UNDER 1013 LIPUCIDADES				\$2 526 804		\$226.613					
Instruct Count Count Count Count of State Coun								,			Renton. This project will design and build the third
Intellight account ON OR BLACK MARKARD Quan Agreement 19: 25:25:00 51:15:262 62:25:25:00 62:25:25:00 60:20:25:25:25:25:25:25:25:25:25:25:25:25:25:	115 WLFL8 BRPS SUPPORT SYS UPGRADES	Green	FCD Const	\$1,565,268	\$1,081,782	(\$127,751)	\$483,486	\$48,922	\$404,657	\$5,295,148	
Introduction Structure	116 WLFL8 COVINGTON CR BLACK DIAMOND	Green	Agreement	\$2,293,500	\$116,958		\$2,176,542	\$0	\$2,176,542	\$2,293,500	eliminate obstructions for water flow and allow pa
Name Construction Statute Statue Statute Statute <	117 WLFL8 DESIMONE MAJOR REPAIR USACE	Green	Agreement	\$1,850,000	\$1,098,012	\$4,743,038	\$751,988	(\$4,966,186)	\$528,840	\$34,503,814	
Ind PUTAPTORT EXERT 2002 EPENAR Genes FCD Censil 5573.210 1916/2201 550.220 6412.211 660 566.2061 #4.463.341 Park. Enconcincations or summaling in the initial of park and	118 WLFL8 DYKSTRA 2022 REPAIR	Green			\$0		\$50,000		\$10,000	\$260,000	Repair scour and bank erosion and replace missi
International Control Laboration Processing Strategy and Str	119 WLFL8 FORT DENT 2020 REPAIR	Green	FCD Const	\$578,710	\$166,239	\$540,223	\$412,471	\$0	\$952,694	\$4,683,934	
In Original Distribution Grade m FOD Const \$1,358,176 \$1,21,01 \$27,00,03 \$3,318,176 \$1,21,01 \$27,00,03 \$3,00,00 \$3,00,00 \$1,00,00 \$1,00,00 \$1,00,00 \$1,00,00 \$2,00,00 \$1,00,00		Green	ECD Const	\$308 825	\$175 386		\$223 130	(\$223,430)	\$0	\$175 386	
Iz2 VILLA GREEN PRE CONST ACQ Green Agreement Str.007.724 84.517.205 \$13,000.389 50 50.000.379 FLAWLE. The project will accure statuting real to certain the certain of the cer					. ,		. ,				Auburn. Complete Phase 1 repair per a request fr
122 Ling AGREEN PRE CORST ACO Omm FCD Acuge Evr. 617.77.24 54.07.25 613.000.290 54.06.07.20 exponent in the base of the bas	121 WLFL8 GALLIDYKSTRA 2020 REPAIR	Green	FCD Const	\$1,535,319	\$1,318,716	\$121,361	\$216,603	\$0	\$337,964	\$1,656,680	
123 UTLL GREEN R MRYOLOWENT 2024 Green Agreement 510 50 <td>122 WLFL8 GREEN PRE-CONST ACQ</td> <td>Green</td> <td>FCD Acqu/Elev</td> <td>\$17,577,724</td> <td>\$4,517,325</td> <td></td> <td>\$13,060,399</td> <td>\$0</td> <td>\$13,060,399</td> <td>\$42,577,724</td> <td>reducing risks to construction schedules for those</td>	122 WLFL8 GREEN PRE-CONST ACQ	Green	FCD Acqu/Elev	\$17,577,724	\$4,517,325		\$13,060,399	\$0	\$13,060,399	\$42,577,724	reducing risks to construction schedules for those
124 VILFLIG GREEN SCOUR REPAIR 2017 Green Ageement 510.00 547.524 \$102.476 \$0 \$102.476 \$100.00 126 VILFUS GREEN SCOUR REPAIR 2017 Green Ageement \$710.000 \$647.524 \$102.476 \$50 \$102.476 \$510.000 \$610.276 \$510.000 \$610.276 \$510.000 \$610.276 \$510.000 \$610.276 \$510.000 \$610.276 \$510.000 \$610.276 \$510.000 \$510.000 \$610.276 \$510.000 \$610.276 \$510.000 \$610.276 \$510.000 \$610.276 \$510.000 \$610.276 \$510.000 \$610.276 \$510.000 \$610.276 \$510.000 \$610.276 \$510.000 \$610.276 \$510.000 \$610.276 \$510.000 \$610.276 \$510.000 \$610.276 \$510.000 \$610.000	123 WLFL8 GREEN R IMPROVEMENT 2024	Green	Agreement				\$0	\$0	\$0	\$100,000	
Series Series<		0	A	¢450.000	¢ 47 504		¢400.470		¢100.470	¢450.000	Auburn. This project will address scour damage to
Interview Agreement \$7,130,500 \$9,312.14 \$7,900,000 \$8,199.299 \$50 \$14,099.295 \$14,090.200 Bend reach (RM 24.42-8.72) to an one stable of the lower single of the lower si	124 WLFL8 GREEN SCOUR REPAIR 2017	Green	Agreement	\$150,000	\$47,524		\$102,476	\$0	\$102,476	\$150,000	
122 WLRLE HSB BREDA STEAKK. KENT Green Agreement \$7,30,500 \$1,00,205 \$10,80,205 \$10,											Breda reach (RM 24.46-24.72) to a more stable c
126 UK-LB HSB MCCOY REALIGNMENT Orean Agreement 5516.138 3162.066 52.188.100 532.42.70 53.44.47 Intelline of the lowe slope: constraint and public transmitter and transmiter and transmiter and transmitter and transmitter a	125 WLFL8 HSB BREDA SETBACK - KENT	Green	Agreement	\$7,130,509	\$931,214	\$7,900,000	\$6,199,295	\$0	\$14,099,295	\$15,430,509	the Horseshoe Bend levee.
128 VILPLB HSB MCCOV REALIGNMENT Green Agreement \$516.208 \$52.48.106 \$52.42.176 \$34.40.244 Kent's secondary containing laves. 22 VILPLB HSB MCCOV REALIGNMENT Green Agreement \$51.80.000 \$18.60.000 \$50.80.000 \$18.80.000 <td></td>											
128 WLF.8 LONES LEVEE RESTORATION Green Agreement \$1.850.000 \$0 \$1.850.000 Auburn. Contributes for partification cord of partification cord cord participation cord cord partex part (SA cord Cord Participation cord cord parti										\$3,404,244	Kent's secondary containment levee.
128 WLFLB LONES LEVEE RESTORATION Green Agreement \$1,82,000 \$1,023,665 \$1,01,01,01,01,01,01,01,01,01,01,01,01,01	127 WLFL8 KENT AIRPORT RVTMNT 2022 REPAIR	Green	FCD Const	\$270,000	\$88,377	\$90,000	\$181,623	\$65,127	\$336,750	\$1,416,627	
130 WLFLB LWR GRN R CORRIDOR PLANEIS Green FCD Const \$718,519 \$681,217 \$30,000 \$37,302 \$0 \$67,302 \$748,519 Kent. Rewore Green Are freize the existing fload cont between the fraze the existing fload cont between the fload contained the fload contained the existing contract the fload contained the fload contained the existing fload cont between the fload contained the fload contained the fload contained the contract the fload contained the fload contained the fload contained the contained the fload contained the fload contained the fload contained the contained the fload contained the fload contained the fload contained the contained the fload contained the fload contained the fload contained the contained the fload contained the contract the fload contained the fload contained the c											future repair costs for the Flood Control District ar
13 WLFL8 LWR RUSSELL LEVEE SETBACK Green FCD Const \$57,965,925 \$54,958,542 \$3,007,383 \$50 \$3,007,383 \$50,007,383 \$50,007,383 \$50,007,383 \$50,007,383 \$50,007,383 \$50,007,383 \$50,00,00 \$60,01,01,01,01,01,01,01,01,01,01,01,01,01						\$30,000					
131 WLPLB LWR RUSSELL LEVEE STRACK Green FCD Const \$\$7,965,925 \$\$54,956,542 \$\$3,007,383 \$\$7,790,383 \$\$7,790,383 \$\$7,790,383 \$\$7,790,383 \$\$7,790,383 \$\$7,790,383 \$\$7,790,383 \$\$7,790,383 \$\$7,790,383 \$\$7,790,383 \$\$7,750,383 \$\$17,150,675 \$\$19,800,000 \$\$19,823 \$\$19,823 \$\$17,150,675 \$\$17,150,675 \$\$17,150,675 \$\$19,800,000 \$\$19,823											
132 WLFLB MILWAUKEE LEVEE #2-KENT Green Agreement \$19,400,000 \$2,249,325 \$17,150,675 \$0 \$17,150,675 \$19,400,000 Kent: Stability and rights. 133 WULFLB OCONNELL REVETMENT 2021 REPAIR Green FCD Const \$386,929 \$195,253 \$154,629 \$191,676 \$90,448 \$436,753 \$1,706,305 Auburn. This project will conduct a feasibility and rubits. 134 WULFLB OLD JEFF'S FARM REVETMENT Green FCD Const \$901,721 \$304,868 \$596,853 \$50 \$304,868 kent. Project will conduct a feasibility and rubits. 135 WULFLB OLD JEFF'S FARM REVETMENT Green Agreement \$6,062,173 \$6,065,056 \$17,117 \$0 \$17,117 \$0 \$17,117 \$0 \$17,117 \$0 \$17,117 \$0 \$17,117 \$0 \$17,117 \$0 \$17,117 \$0 \$17,117 \$0 \$17,117 \$0 \$17,117 \$0 \$17,117 \$0 \$17,117 \$0 \$17,117 \$0 \$17,117 \$0 \$17,117 \$0 \$17,117 \$0	131 WLFL8 LWR RUSSELL LEVEE SETBACK	Green	FCD Const	\$57,965,925	\$54,958,542		\$3,007,383	\$0	\$3,007,383	\$57,979,169	riparian and aquatic habitat. Increased expenditu
Image: constraint of the stability	132 WLFL8 MILWAUKEE LEVEE #2-KENT	Green	Agreement	\$19.400.000	\$2.249.325		\$17.150.675	\$0	\$17.150.675	\$19.400.000	
Image: Number of the stability and			Ĭ			A 1 - 1 - - - - - - - - - -					Kent: Stabilize the O'Connell revetment slope, an
Multical Bussellur RD UPPER KENT Green Agreement \$6.082,173 \$6.065,056 \$17,117 \$0 \$17,117 \$6.082,173 stability. To provide adequate safety. 136 WLFL8 S106TH ST DRAINAGE IMPVINNT Green Agreement \$451,000 \$440,266 \$10,734 \$0 \$10,734 \$451,000 Burner, Replace an existing damaged and unders 137 WLFL8 SIGNATURE POINTE REVETMENT Green Agreement \$55,745,419 \$11,2734 \$50 \$10,7734 \$451,000 Burner, Replace an existing damaged and unders 138 WLFL8 SIGNATURE POINTE REVETMENT Green Agreement \$55,745,419 \$15,27,287 \$\$38,440,255 \$\$55,218,132 \$0 \$16,777,877 \$\$6,062,441 \$46,024 \$46,024 \$46,024,175 \$40,026 \$40,376 \$40,376 \$40,266 \$40,376 \$40,276 \$40,026 \$40,376 \$40,276 \$40,026 \$40,376 \$40,276 \$40,026 \$40,376 \$40,276 \$40,026 \$40,376 \$40,276 \$40,026 \$40,376 \$40,276 \$40,026 \$40,376 \$40,276 \$40,276	133 WLFL8 O'CONNELL REVEIMENT 2021 REPAIR	Green	FCD Const	\$386,929	\$195,253	\$154,629	\$191,676	\$90,448	\$436,753	\$1,706,305	
Image: stability Green Agreement \$6,082,173 \$6,082,1133 \$6,082,1133 \$6,08	134 WLFL8 OLD JEFF'S FARM REVETMENT	Green	FCD Const	\$901,721	\$304,868		\$596,853	(\$596,853)	\$0	\$304,868	
136 WLFL8 S 106TH ST DRAINAGE IMPVMNT Green Agreement \$451,000 \$440,266 \$10,734 \$0 \$10,734 \$451,000 Burien. Replace an existing damaged and unders 137 WLFL8 SIGNATURE POINTE REVETMENT Green Agreement \$56,745,419 \$1,527,287 \$38,440,255 \$55,218,132 \$0 \$16,777,877 \$56,745,419 Kent. Project provides increased level of protection 138 WLFL8 TUK REVETMNT 2019 REPAIR Green FCD Const \$500,000 \$450,624 \$49,376 \$49,376 \$450,624 \$46,244,157 segment incervalue revertment. 139 WLFL8 TUK-205 GUNTER FLOODWALL Green FCD Const \$11,498,336 \$1,526,310 \$10,198,262 \$46,244,157 segment incervalue retriner struters 140 WLFL8 TUK-205 RATOLO FLOODWALL Green FCD Const \$13,676,421 \$969,950 \$12,706,471 \$10,000 \$4,633,950 \$10,734 \$0 \$226,471 \$10,000 \$4,633,950 \$11,498,262 \$26,471 \$10,000 \$4,633,950 \$11,498,262 \$10,704,711 \$100,000 \$4,633,950 \$12,706,471 \$10,900,000 \$16,700,000 \$16,700,000 \$16,700,000 \$16,7											slope stability. These segments of the Russell Ro
137WLFL8 SIGNATURE POINTE REVETMENTGreenAgreement\$56,745,419\$1,527,287\$55,218,132\$0\$16,777,877\$56,745,419Kent. Project provides increased level of protection138WLFL8 SIGNATURE POINTE REVETMENTGreenFCD Const\$500,000\$450,624\$49,376\$0\$16,777,877\$50\$450,624damage to the revertment.139WLFL8 TUK REVETMINT 2019 REPAIRGreenFCD Const\$11,498,336\$1,300,074\$1,526,310\$10,198,262\$46,244,157segment in complement interim SWIF a embrance with certification requirement140WLFL8 TUK-205 GUNTER FLOODWALLGreenFCD Const\$11,498,336\$1,300,074\$1,526,310\$10,198,262\$46,244,157segment in complement interim SWIF a embrance with certification requirement140WLFL8 TUK-205 RATOLO FLOODWALLGreenFCD Const\$11,498,366\$1,300,074\$12,706,471\$100,000\$1,600,000recessar/ real estate) will be finalized during the cooperating segment141WLFL8 TUK-205 USACE GACO REPAIRGreenAgreement\$13,676,421\$969,950\$12,706,471\$100,000\$4,633,950cooperation agreement.142WLFLS SUGACE IMPROVEMENTSGreenAgreement\$13,676,421\$969,950\$12,706,471\$100,000\$4,633,950cooperation agreement.144WLFLS SOUTH PARK PUMPSTATIONGreenAgreement\$13,676,421\$969,950\$12,706,471\$100,000\$4,633,950cooperation agreement.144WLFLS SOUTH PARK PUMPSTATIONGreen<											
138 WLFL8 TUK REVETIMNT 2019 REPAIR Green FCD Const \$500,000 \$4450,624 \$49,376 (\$49,376) \$0 \$440,624 138 WLFL8 TUK REVETIMNT 2019 REPAIR Green FCD Const \$500,000 \$4450,624 \$49,376 (\$49,376) \$0 \$440,624 Tukwila. Erosion and slumping of Tukwila Trail re 139 WLFL8 TUK-205 GUNTER FLOODWALL Green FCD Const \$11,498,336 \$1,300,074 \$1,526,310 \$10,198,262 (\$4,477,930) \$7,246,642 \$46,244,157 segment in compliance with certification requirem 140 WLFL8 TUK-205 RATOLO FLOODWALL Green FCD Const \$250,000 \$0 (\$200,000) \$51,600,000 necessary real estate) will be finalized during the indized during the training WIF. 140 WLFL8 TUK-205 USACE GACO REPAIR Green Agreement \$13,676,421 \$969,950 \$12,706,471 (\$12,606,471) \$100,000 \$4,633,950 cooperation agreement. 141 WLFL8 TUK-205 USACE GACO REPAIR Green Agreement \$13,807,6421 \$969,950 \$			Ĭ		. ,				,		Kent. Project provides increased level of protection
138 WLFL8 TUK REVETMNT 2019 REPAIR Green FCD Const \$500,000 \$4450,624 \$49,376) \$0 \$450,624 damage to the revetment. 139 WLFL8 TUK-205 GUNTER FLOODWALL Green FCD Const \$11,498,336 \$1,300,074 \$1,526,310 \$10,198,262 (\$4,477,930) \$7,246,642 \$46,244,157 setwint. New project to implement interim SWIF at the construction of equirem 140 WLFL8 TUK-205 RATOLO FLOODWALL Green FCD Const \$11,498,336 \$1,300,074 \$1,526,310 \$10,198,262 (\$4,477,930) \$7,246,642 \$46,244,157 setwint. Incrimin SWIF at the construction requirem 140 WLFL8 TUK-205 RATOLO FLOODWALL Green FCD Const \$250,000 \$0 (\$200,000) \$50,000 \$1,600,000 newspreace state) will be finalized during the interim SWIF at the construct on project to implement interim SWIF at the construct on project to implement interim SWIF at the construct on project to implement interim SWIF at the construct on project to implement interim SWIF at the construct on project to implement interim SWIF at the construct on project to implement interim SWIF at the construct on project to implement interim SWIF at the construct on project to implement interim SWIF at the construct on project to implement interim SWIF at the construct on project to implement interim SWIF at the construct on project state will be finalized during the construct on project state will be finalized	137 WLFL8 SIGNATURE POINTE REVETMENT	Green	Agreement	\$56,745,419	\$1,527,287	(\$38,440,255)	\$55,218,132	\$0	\$16,777,877	\$56,745,419	
139WLFL8 TUK-205 GUNTER FLOODWALLGreenFCD Const\$11,498,336\$1,300,074\$1,526,310\$10,198,262(\$4,477,930)\$7,246,642\$46,244,157segment in compliance with certification requirem140WLFL8 TUK-205 RATOLO FLOODWALLGreenFCD Const\$250,000\$0(\$200,000)\$50,000\$1,600,000mecessary real estatel will be finalized during the mainter interim SWIF.141WLFL8 TUK-205 USACE GACO REPAIRGreenAgreement\$13,676,421\$969,950\$12,706,471(\$12,606,471)\$100,000\$eather interim SWIF. The USACE will si per the adopted interim SWIF. The USACE will si per the adopted interim SWIF.142WLFLS PUGET WAY CULVERTGreenAgreement\$17,105,000\$16,486,341\$618,659\$0\$2226,471\$0\$2226,471\$eattle. The South Park Drainage Conveyance improvement143WLFLS S PARK DRAINAGE IMPROVEMENTSGreenAgreement\$17,105,000\$16,486,341\$618,659\$0\$618,659\$0\$eattle. Cost-share construction of pump station the seattle. Cost-share construction of pump station the per station the provement the formed by the Cit144WLFLS SOUTH PARK PUMPSTATIONGreenAgreement\$6,505,000\$6,504,454\$546\$0\$546\$6,505,000yeattee construction of pump station the provement by the Cit	138 WLFL8 TUK REVETMNT 2019 REPAIR	Green	FCD Const	\$500,000	\$450,624		\$49,376	(\$49,376)	\$0	\$450,624	damage to the revetment.
140WLFL8 TUK-205 RATOLO FLOODWALLGreenFCD Const\$250,000\$0(\$200,000)\$50,000\$1,600,000embankment to protect adjacent businesses from necessary real estate) will be finalized during the Tukwila. US Army Corps led project to replace 35 por the adopted interm SWIF. The USACE will si cooperation agreement.141WLFL8 TUK-205 USACE GACO REPAIRGreenAgreement\$13,676,421\$969,950\$12,706,471(\$12,606,471)\$100,000\$4,633,950 cooperation agreement.142WLFLS PUGET WAY CULVERTGreenAgreement\$11,800,000\$1,573,529\$226,471\$0\$226,471\$1,800,000143WLFLS S PARK DRAINAGE IMPROVEMENTSGreenAgreement\$17,105,000\$16,486,341\$618,659\$0\$618,659\$17,105,000144WLFLS SOUTH PARK PUMPSTATIONGreenAgreement\$6,505,000\$6,504,454\$546\$0\$546\$6,505,000yated project schedule. Implemented by the Circle	139 WLFL8 TUK-205 GUNTER FLOODWALL	Green	FCD Const	\$11,498,336	\$1,300,074	\$1,526,310	\$10,198,262	(\$4,477,930)	\$7,246,642	\$46,244,157	
140WLFL8 TUK-205 RATOLO FLOODWALLGreenFCD Const\$250,000\$0(\$200,000)\$50,000\$1,600,000necessary real estate) will be finalized during the Tukwila. US Army Corps led project to replace 35 per the adopted interim SWIF. The USACE will s to operation agreement.141WLFL8 TUK-205 USACE GACO REPAIRGreenAgreement\$13,676,421\$969,950\$12,706,471\$100,000\$4,633,950 cooperation agreement.142WLFLS PUGET WAY CULVERTGreenAgreement\$1,800,000\$1,573,529\$226,471\$0\$226,471\$1,800,000143WLFLS S PARK DRAINAGE IMPROVEMENTSGreenAgreement\$17,105,000\$16,486,341\$618,659\$0\$618,659\$17,105,000144WLFLS SOUTH PARK PUMPSTATIONGreenAgreement\$6,505,000\$6,504,454\$546\$0\$546\$6,505,000yup dated project schedule. Implemented by the Ci											
141WLFL8TUK-205USACEGreenAgreement\$13,676,421\$969,950\$12,706,471(\$12,606,471)\$100,000\$4,633,950cooperation agreement.142WLFLSPUGETGreenAgreement\$1,800,000\$1,573,529\$226,471\$00\$226,471\$1,800,000Seattle. This project will replace an aging and unc143WLFLSSPARK DRAINAGE IMPROVEMENTSGreenAgreement\$17,105,000\$16,486,341\$618,659\$0\$618,659\$17,105,000He pump station. The conveyance improvement144WLFLSSOUTH PARK PUMPSTATIONGreenAgreement\$6,505,000\$6,504,454\$546\$0\$546\$6,505,000updated project schedule. Implemented by the Circle	140 WLFL8 TUK-205 RATOLO FLOODWALL	Green	FCD Const			\$250,000	\$0	(\$200,000)	\$50,000	\$1,600,000	necessary real estate) will be finalized during the
141WLFL8 TUK-205 USACE GACO REPAIRGreenAgreement\$13,676,421\$969,950\$12,706,471(\$12,606,471)\$100,000\$4,633,950cooperation agreement.142WLFLS PUGET WAY CULVERTGreenAgreement\$1,800,000\$1,573,529\$226,471\$00\$226,471\$1,800,000Seattle. This project will replace an aging and unc143WLFLS S PARK DRAINAGE IMPROVEMENTSGreenAgreement\$17,105,000\$16,486,341\$618,659\$0\$618,659\$0Seattle. The South Park Drainage Conveyance Improvement in the conveya											
143 WLFLS S PARK DRAINAGE IMPROVEMENTS Green Agreement \$17,105,000 \$16,486,341 \$618,659 \$0 \$618,659 \$17,105,000 the pump station. The conveyance improvement 144 WLFLS SOUTH PARK PUMPSTATION Green Agreement \$6,505,000 \$6,504,454 \$546 \$0 \$546 \$6,505,000 updated project schedule. Implemented by the Circle											cooperation agreement.
143 WLFLS S PARK DRAINAGE IMPROVEMENTSGreenAgreement\$17,105,000\$16,486,341\$618,659\$0\$618,659\$17,105,000the pump station. The conveyance improvement144 WLFLS SOUTH PARK PUMPSTATIONGreenAgreement\$6,505,000\$6,504,454\$546\$0\$546\$6,505,000updated project schedule. Implemented by the Circle	142 WLFLS PUGET WAY CULVERT	Green	Agreement	\$1,800,000	\$1,573,529		\$226,471	\$0	\$226,471	\$1,800,000	
144 WLFLS SOUTH PARK PUMPSTATION Green Agreement \$6,505,000 \$6,504,454 \$546 \$546 \$546 \$6,505,000 updated project schedule. Implemented by the Cit	143 WLFLS S PARK DRAINAGE IMPROVEMENTS	Green	Agreement	\$17,105,000	\$16,486,341		\$618,659	\$0	\$618,659	\$17,105,000	the pump station. The conveyance improvement
145 Green-Duwamish Subtotal \$271,966,893 \$139,460,844 (\$16,600,477) \$132,506,046 (\$25,637,128) \$90,268,441 \$447,785,238		Green	Agreement								updated project schedule. Implemented by the Cit
	145 Green-Duwamish Subtotal			\$271,966,893	\$139,460,844	(\$16,600,477)	\$132,506,046	(\$25,637,128)	\$90,268,441	\$447,785,238	

n with WSDOT to evaluate flood risk reduction opportunities, such as elevating SR 169, I / or installation of back flow prevention gates. Funding added in 2019 pending FCD decision

ompleted by the City of Kent. Final expenditures for the remainder of 2017 will include arian plantings. The revised 2017 financial plan includes revenue of \$4.1 million for the sale of -20 Section 6, this revenue makes expenditure authority available for the Lower Russell Levee sed out once the District's ILA with Kent expires in 2018. econd phase of renovations to the Black River pump station. Major components include nt of the trash rake system, and replacement of the screen spray system. urth phase of renovations to the Black River pump station, revising and replacing the obsolete rst phase of renovations to the Black River pump station, replacing the three smaller pump he other, larger pump engines. a large engines and overhaul the large pumps at the Black River pump station. re the structure and subsurface soils at the Black River Pump Station. ird phase of renovations to the Black River pump station, replacing support systems such as and hoists. eter culverts where Lake Sawyer flows into Covington Creek and replace with a bridge to passage for migrating salmon. ction of Desimone Levee between the two new floodwall segments, and recommend possible nent is proposed for funding. sing toe rock upstream of 2015 Corps of Engineers repair. heavily used regional Green River trail and regional soccer complex (Starfire) and Tukwila soccer fields. tion of the levee that was caused by a falling tree and susceptible to further scour and erosion. t from the City of Auburn. Elevate 3500 feet levee reach to meet FEMA levee certification estate upon which future large Flood Control District capital projects are dependent, thereby ise projects. E Auburn Black Diamond Road and alleviate roadway flooding by raising the road through the to the bridge, which is on the primary through route of the Green River Valley Rd. The bridge dopted by Board of Supervisors. This project will reconstruct the Horseshoe Bend Levee at the configuration in order to reduce flood risk to the surrounding areas. The project will also raise 0.2% annual chance) flood. This segment of the levee has the lowest factor of safety rating of SWIF capital project originally planned by the FCD. The repair project is anticipated to stabilize evee around an isolated utility, and shift the alignment of the federal levee back to the City of ck revetment that has been undercut by rotational bank failure. 500,000) to a \$5 million levee setback project. By relocating the levee, flood risks as well as are reduced. wer Russell levee setback project. Environmental Impact Statement. ntainment system of levee and revetments along the right (east) bank of the Green River mile 19.25 (S 231st Way) in the City of Kent to provide long-term flood protection and improve iture authority to match interim SWIF adopted by Board of Supervisors. and construction alternatives to provide flood protection, scour protection, enable levee and move or replace the road shoulder and guardrail. With the new capital project team now n Q4 rather than Q1 2022. alysis of channel migration hazards from river mile 21.1 to 21.7. Alternative selection is ng a minimum of 3 feet of freeboard above the predicted 500-year flood event and improve Road Upper Levee have over-steepened slopes and therefore lack adequate structural ersized pipe that runs under eleven properties to prevent stormwater flooding. tion to 1.5 miles of Lower Green River Corridor. Alternative selected by Executive Committee revetment caused by the recent Green River flood resulted in approximately 200 feet of F adopted by Board of Supervisors. This project will construct a facility to bring this levee ements for structural stability and raise the levee to roughly the 500 year event. adopted by Board of Supervisors. This project will construct a 0.15 mile floodwall and sloped om flooding. The floodwall alignment (including embankment slope, factors of safety, and ne project design phase. 3500 ft. of Tukwila 205 levee in-place replacement to bring up to 500-year level of protection I share remaining 2/3 of the cost; this allocation is the local share of 1/3 of total cost. Requires ndersized creek culvert under Puget Way SW in Seattle. Improvements Project will install a formal conveyance system in the streets, to get flows to ents will work in conjunction with the Pump Station. n to reduce flooding in industrial area. Allocation of funds by year may be revised based on City of Seattle.

		-								
										Comments
			2022	2022						
			Inception to Date	Inception to Date	2023	2022	2023 Reallocation	2023	Project Life	
No. Title	Basin	Type of project	Budget	Expendiure	Adopted	Carryover	Request	Revised	Total	
146										
147										
148 WLFL9 212TH AVE SE @ SR 164 FLD IMPRVMNT	White	Agreement				\$0				Enumclaw. Improve the drainage system to allev
149 WLFL9 212TH AVE SE MITIGATION	White	Agreement	\$65,000	\$0		\$65,000	\$0	\$65,000	\$65,000	Enumclaw. TBD
										Auburn: Install temporary flood protection barrier
150 WLFL9 A STREET HESCOS	White	FCD Const	\$420,000	\$83,935		\$336,065	\$0	\$336,065	\$420,000	address the increased flood risk due to ongoing s
										Enumclaw. Park is split by the White River; acqu
151 WLFL9 ANDERSON PARK ACQUISITION	White	FCD Acqu/Elev	\$100,000	\$0		\$100,000	(\$100,000)	\$0	\$0	Enumclaw.
										Pacific. Reduces flood elevations that impact res
152 WLFL9 COUNTYLINE TO A STREET	White	FCD Const	\$23,926,129	\$23,896,323		\$29,806	\$0	\$29,806	\$23,926,129	\$13 million content value), improves sediment st
										Pacific. Construct a new levee setback in the City
153 WLFL9 RIGHT BANK LEVEE SETBACK	White	FCD Const	\$16,207,666	\$15,696,118	\$3,325,844	\$511,548	(\$2,337,392)	\$1,500,000	\$29,491,185	White River Estates neighborhood.
										Greenwater. In mid-2018 budget reallocation, fur
										north side of Highway 410. Subsequent site visits
154 WLFL9 SLIPPERY CREEK ACQ	White	FCD Acqu/Elev	\$116,261	\$116,261	\$55,000	\$0	\$0		\$171,261	complete demolition and asbestos abatement at
155 WLFL9 STREAM #10.0048 DS CULVERT	White	Agreement	\$45,000	\$0	\$555,000	\$45,000	\$0	\$600,000	\$1,650,000	Auburn. This project will analyze culvert replace
156 WLFL9 STREAM #10.0048 US CULVERT	White	Agreement	\$935,852	\$935,852	\$47,000	\$0	\$0	\$47,000	\$992,852	Auburn. This project will analyze culvert replacer
										Auburn. Loss of facing rock along 130' of the low
										a near-vertical face supporting the rock remaining
157 WLFL9 STUCK R DR 2019 REPAIR	White	FCD Const	\$820,294	\$754,972		\$65,322	\$0	\$65,322	\$820,294	
158 WLFL9 STUCK R DR FLOOD PROTECTION	White	FCD Const	. ,	\$0		\$0			\$1,000,000	Auburn. TBD
159 WLFL9 WHITE RIVER CIS	White	FCD Const			\$191,000	\$0	(\$191,000)	\$0	\$1,398,984	Auburn: Identify and prioritize near-, mid-, and lor
160 White Subtotal			\$42,636,202	\$41,483,461	\$4,173,844	\$1,152,741	(\$2,628,392)	\$2,698,193	\$60,125,705	
161										
162										
163 WLFLG FLOOD REDUCTION GRANTS	Countywide	Grant	\$48,034,253	\$21,706,780	\$12,742,437	\$26,327,473	\$0	\$39,069,910	\$131,671,152	Competitive grant program for flood reduction pro
			. , ,		. , ,	. , ,			. , ,	Cooperative Watershed Management Grant Proc
164 WLFLG WRIA GRANTS	Countywide	Grant	\$61,694,576	\$43,104,253	\$10,737,696	\$18,590,323	\$0	\$29,328,019	\$132,173,053	
165 WLFLM EFFECTIVENESS MONITORING	Countywide	FCD Const	\$6,306,324	\$5,348,254	\$633.839	\$958.070	(\$423,153)	\$1,168,756		Evaluation of capital projects to determine effecti
			* - / / -						* - / - /	Allocation to all King County jurisdictions for floor
166 WLFLO SUBREGNL OPPRTNTY FUND	Countywide	Grant	\$73.388.897	\$54.330.513	\$6.023.427	\$19.058.384	\$0	\$25,081,811	\$110.603.800	FCD tax revenue.
167 WLFLX CENTRAL CHARGES	Countywide	FCD Const	\$1,313,643	\$1,427,644	\$200,000	(\$114,001)	\$214,001	\$300,000		Central charges related to the FCD's capital fund
168 WLFLX COUNTYWIDE STRATEGIC ACQUISITIONS	Countywide	FCD Acqu/Elev	• //	• 1 12	\$2,000,000	(• / /	\$0			Acquire properties as directed by the Flood Cont
169 WLFLX FLOOD WARNING CTR UPGRADES	Countywide	FCD Const			\$1,500,000		\$0		\$1,500,000	
170 WLFLX CONST MATERIALS STOCKPILE	Countywide	FCD Const	\$500.000	\$149,992	.,,,	\$350.008	(\$350.008)	\$0		Stockpile role for future flood damage repairs.
171 WLFLX FLOOD EMERGENCY CONTGNCY	Countywide	FCD Const	\$1,419,042	\$419,042		\$1,000,000	\$0			Contingency for emergency response actions du
172 Countywide Subtotal	,		\$192,656,735	\$126,486,477	\$33,837,399	\$66,170,257	(\$559,160)	\$99,448,496	\$393,066,012	
173			<i></i> ,,,,,		\$00,00.,000	\$00,0,201	(\$555,100)	\$55,1.5,100	\$000,000,012	
174 Grand Total			\$718,593,309	\$459,079,311	\$47,656,893	\$259,562,915	(\$45,469,541)	\$261,750,267	\$1,536,405,663	
			\$110,000,000	<i>\</i>	\$11,000,000	÷100,002,010	(\$10,100,041)	<i>4_01,100,201</i>	\$.,000,400,000	

leviate neighborhood flooding. May require improvements outside of the road right-of-way.

rriers (HESCOs) on both banks of the White River, upstream of the A Street Bridge in Auburn to ng sediment deposition. cquire undevelopable and inaccessible southern portion of park in Pierce County from the City of

residential neighborhoods in the City of Pacific (200 homes, with \$52 million of assessed and

t storage and enhances habitat. City of Pacific, extending from BNSF railroad bridge embankment to endpoint at Butte Ave. by

funding was authorized to acquire a vacant property located outside flood hazard area on the isits identified multiple unpermitted structures and a well; additional funding necessary to at a remote and inaccessible location.

cement and road-raising options and implement the preferred option.

cement and road-raising options and implement the preferred option.

lower half of the embankment. Some of the gravel fill under the rock has eroded as well, leaving ning on the upper slope. The rock that slid down is currently providing scour protection at the

long-term capital projects for Flood Control District funding along the White River.

projects. Increases as a proportion of total FCD tax revenue. Program; priorities recommended by watershed groups. Increase based on assumed inflation

ectiveness and identify project design improvements. ooding, water quality, or watershed management projects. Increases as a proportion of total

Ind. Introl District.

during a flood event.