

King County Flood Control District

Capital Investment Strategy Project
Grant/External Revenue Awarded
Cost Share Contribution to Others
Added in 2024
Proposed New Add in 2025

2025 - 2030 Six-Year CIP Project Allocations

Attachment H

8/27/2024

No.	Title	Title	Basin	Service Provider	2023 Inception to Date Expenditure	2024 Inception to Date Budget	2024 Available Budget	2025 Requested	2026 Forecasted	2027 Forecasted	2028 Forecasted	2029 Forecasted	2030 Forecasted	6-Year CIP Total	CIS Year 7-10	CIS 10+ Year	Project Life Total	Comments
1	South Fork Skykomish Repetitive Loss Mitigation	WLFL0 SF SKYKMSH REP LOSS MIT	SF Skykomish	King County	\$5,631,609	\$9,179,041	\$3,547,432	\$3,452,568	\$0	\$0	\$0	\$0	\$0	\$3,452,568			\$12,631,609	Near Baring in unincorporated King County. 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. Assumes one home per year.
2	Timber Lane Village Erosion	WLFL0 TIMBER LN EROSN BUYOUTS	SF Skykomish	King County	\$1,972,649	\$4,812,095	\$2,839,446	(\$839,446)	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$4,160,554			\$8,972,649	Near Skykomish in unincorporated King County. This project will continue to acquire and remove homes along a stretch of the Skykomish River that are endangered by erosive forces as well as inundation in some places. Assumes one home per year.
3	Bendigo Levee Upper North Bend	WLFL1 BENDIGO UPR NORTH BEND	Upper Snoq	North Bend	\$2,739	\$50,000	\$47,261	\$0	\$0	\$0	\$0	\$4,200,000	\$0	\$4,200,000			\$4,250,000	North Bend. Cost-share of \$8.4M levee setback project. The levee overtops at a 20-year or greater flood, inundating undeveloped property, railway lines and roadways. Project would reconnect 25 acres of floodplain and construct a new levee that meets current engineering guidelines. City has submitted grant application for the remaining \$4.2 million.
4	Circle River Ranch Flood Risk Reduction	WLFL1 CIRCLE R RANCH RISK RED	Upper Snoq	King County	\$1,432,463	\$2,124,400	\$691,937	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$2,124,400	Near Near North Bend in unincorporated King County in unincorporated King County. 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.
5	City of Snoqualmie Riverfront Acquisitions	WLFL1 CITY SNOQUALMIE ACQ	Lower Snoq	Snoqualmie		\$3,000,000	\$3,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$3,000,000	City of Snoqualmie. Acquire several flood-prone homes in the areas around Walnut St and Northern St.
6	City of Snoqualmie Home Elevations	WLFL1 CITY SNOQ HOME ELEV	Lower Snoq	Snoqualmie		\$500,000	\$500,000	\$500,000	\$468,000	\$0	\$0	\$0	\$0	\$968,000			\$1,468,000	City of Snoqualmie. Elevate several flood-prone homes in the areas around Walnut St and Northern St.
7	Mason Thorson Ells Levee 2022 Repair	WLFL1 MSN THRSN EL 2022 REPAIR	Lower Snoq	King County	\$159,119	\$205,000	\$45,881	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$205,000	Near Near North Bend in unincorporated King County in unincorporated King County. New project. 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.
8	Middle Fork Snoqualmie Flood Conveyance North Bend	WLFL1 MF FLOOD CONVEYANCE	Upper Snoq	North Bend		\$1,800,000	\$1,800,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$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.
9	Middle Fork Snoqualmie Residential Flood Mitigation	WLFL1 MF RESIDENTIAL FLD MTGTN	Upper Snoq	King County	\$20,030	\$2,232,261	\$2,212,231	\$1,787,769	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$11,787,769			\$14,020,030	Near Near North Bend in unincorporated King County in unincorporated King County. Work with willing sellers to acquire eighteen homes at risk from channel migration along the Middle Fork (Project C in the Capital Investment Strategy)
10	North Fork Confluence Revetment Removal	WLFL1 NF CONFL RVTMNT REMOVAL	Upper Snoq	King County	\$18,848	\$811,060	\$792,212	\$63,458	\$6,798	\$0	\$0	\$0	\$0	\$70,256			\$881,316	Near Near North Bend in unincorporated King County in unincorporated King County. This project will 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.
11	North Fork Snoqualmie Residential Flood Mitigation	WLFL1 NF SNO RES FLD MIT	Upper Snoq	King County	\$53	\$2,500,053	\$2,500,000	\$500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$8,000,000			\$10,500,053	Near Near North Bend in unincorporated King County in unincorporated King County. This project will 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.
12	Norman Creek Culvert	WLFL1 NORMAN CREEK CULVERT	Upper Snoq	King County	\$722,080	\$724,000	\$1,920	(\$1,920)	\$0	\$0	\$0	\$0	\$0	(\$1,920)			\$722,080	Near North Bend in unincorporated King County. Complete. 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	Norman Creek Up Stream 2024 Culvert	WLFL1 NORMAN CR US 2024 CULVRT	Upper Snoq	King County	\$11,271	\$1,100,000	\$1,088,729	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$1,100,000	Near North Bend in unincorporated King County. Improve SE 92nd Street, east of 428th Street, and alleviate roadway flooding by installing a new box culvert.
14	Pump Station Revetment Repair	WLFL1 PUMP STN RVTMNT REPAIR	Lower Snoq	King County	\$22,618	\$365,110	\$342,492	\$22,011	\$480,630	\$1,893,812	\$36,105	\$0	\$0	\$2,432,558			\$2,797,668	Snoqualmie. The Pump Station Revetment reduces erosion risk to a City of Snoqualmie sewage pump station. Erosion to the embankment at the upstream end of the Pump Station Revetment threatens the upstream end of the facility. The project would consider and implement improvements to the facility to reduce future erosion risk.
15	Reif Road Levee Improvements	WLFL1 REIF RD LVEVE IMPRVMENTS	Upper Snoq	King County	\$354	\$67,000	\$66,646	\$133,354	\$700,000	\$700,000	\$0	\$0	\$0	\$1,533,354			\$1,600,354	Near Near North Bend in unincorporated King County in unincorporated King County. Conduct a feasibility study to determine ways of preventing the overtopping of the Reif Rd Levee. Potential solutions include: repair and/or raise levee in place / setback levee / gravel removal / home elevations.
16	Reinig Rd 2016 Repair	WLFL1 REINIG RD 2016 REPAIR	Upper Snoq	King County	\$6,906,947	\$6,909,947	\$3,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$6,909,947	Near Near North Bend in unincorporated King County in unincorporated King County. Repair three primary damage sites just upstream and directly across from the South Fork Snoqualmie confluence totaling ~285 lineal feet. Completed in 2021.
17	Ribary Creek Flooding	WLFL1 RIBARY CREEK	Upper Snoq	North Bend	\$266,819	\$2,110,609	\$1,843,790	\$4,325,203	\$685,841	\$0	\$0	\$0	\$0	\$5,011,044			\$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.
18	South Fork Snoqualmie CIS Long Term	WLFL1 SF CIS LONG TERM	Upper Snoq	King County				\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$57,100,000	\$57,100,000	Near North Bend in unincorporated King County. Implement projects identified in the Capital Investment Strategy, approved as policy direction by the Executive Committee.
19	South Fork Snoqualmie CIS Medium Term	WLFL1 SF CIS MED TERM	Upper Snoq	King County				\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$47,200,000		\$47,200,000	Near North Bend in unincorporated King County. Implement projects identified in the Capital Investment Strategy, approved as policy direction by the Executive Committee.
20	Shake Mill Revetment Left Bank 2016 Repair	WLFL1 SHAKE MILL LB 2016 RPR	Upper Snoq	King County	\$2,939,679	\$3,139,161	\$199,482	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$3,139,161	Near Near North Bend in unincorporated King County in unincorporated King County. Complete. 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.

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21	Tate Creek Scour Repair	WLFL1 TATE CR SCOUR REPAIR	Upper Snoq	King County	\$775	\$500,000	\$499,225	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$500,000	Near North Bend in unincorporated King County. Prepare a Concept Development Report (CDR) to analyze and select best span/alignment replacement bridge and road-raising option as the current bridge does not provide enough hydraulic opening due to the transport of sediments and water overtops the approaches during floods.
22	Upper Snoqualmie Residential Flood Mitigation	WLFL1 UPR SNO RES FLD MITGTN	Upper Snoq	King County	\$13,784,680	\$18,284,680	\$4,500,000	\$4,000,000	\$4,000,000	\$27,500	\$4,000,000	\$3,500,000	\$3,500,000	\$19,027,500			\$37,312,180	In and around Snoqualmie. This project will continue to acquire or elevate flood-prone structures in the Upper Snoqualmie basin to reduce the risk of flood, 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.
23	264th Avenue NE at SR202 Flood Reduction	WLFL2 264TH AVE NE @ SR202 FLD	Lower Snoq	King County		\$0	\$0	\$540,000	\$0	\$27,500	\$0	\$0	\$0	\$567,500			\$567,500	Near Redmond. Alleviate flooding on this sole access road by replacing the existing culverts and raising the roadway to eliminate over-topping during flood events.
24	334th Avenue SE at SE 43rd Street Flood Reduction	WLFL2 334TH AVE SE & SE 43RD	Lower Snoq	King County		\$0	\$0	\$500,000	\$0	\$0	\$0	\$0	\$0	\$500,000			\$500,000	Near Fall City in unincorporated King County. Improve drainage to alleviate neighborhood flooding by constructing a drainage system to flow to the Snoqualmie River.
25	Dutchman Road Revetment Repair	WLFL2 DUTCHMAN RD REPAIR	Lower Snoq	King County	\$1,267,653	\$2,649,549	\$1,381,896	\$0	\$6,255,409	\$27,500	\$0	\$0	\$0	\$6,282,909			\$8,932,458	Near Near Duvall in unincorporated King County in unincorporated King County. Repair approximately 200 feet of revetment. Dutchman Road in this location provides the sole access to residences and business on the west side of the Snoqualmie Valley downstream of Near Duvall in unincorporated King County. 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.
26	Fall City Floodplain Restoration	WLFL2 FALL CITY FLOODPLAIN	Lower Snoq	King County	\$66	\$300,000	\$299,934	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$300,000	Near Fall City in unincorporated King County. 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.
27	Farm Flood Task Force	WLFL2 FARM FLOOD TSK FORCE IMP	Lower Snoq	King County	\$853,997	\$979,803	\$125,806	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$979,803	Near Carnation in unincorporated King County. 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 structures.
28	Fish Hatchery Rd Bridge #61B	WLFL2 FISH HATCHERY RD BR #61B	Lower Snoq	King County	\$204,503	\$700,000	\$495,497	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$700,000	Near Duvall in unincorporated King County. Strengthen the bridge structure to stabilize it after the most recent flood event, rebuild the east approach roadway to address the 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.
29	SE David Powell Rd Upstream Repair	WLFL2 L SNO 2019 BANK REPAIR	Lower Snoq	King County	\$1,078,929	\$2,200,000	\$1,121,071	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$2,200,000	Near Fall City in unincorporated King County. The river is scouring the road away and David Powell Road is collapsing into the river. This project repaired an existing failing revetment and extend MSE wall to prevent undercutting of the riverbank and roadway. Completed in September 2020.
30	Lower Snoqualmie River Residential Flood Mitigation	WLFL2 LWR SNO RESDL FLD MITGTN	Lower Snoq	King County	\$3,294,973	\$8,816,824	\$5,521,851	\$478,149	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$15,478,149			\$24,294,973	Near Carnation in unincorporated King County. This project will acquire or elevate flood-prone structures in the lower Snoqualmie basin to reduce the risk of flood or channel migration damage during future flood events.
31	Mud Creek Sediment Facility	WLFL2 MUD CR SEDIMENT	Lower Snoq	King County	\$30,101	\$432,000	\$401,899	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$432,000	Snoqualmie. Design and permit a sediment facility to minimize sediment deposition, flooding, and channel avulsions at this site.
32	Snoqualmie Valley Feasibility Study	WLFL2 SNOQUALMIE VALLEY FEAS	Lower Snoq	King County	\$315,649	\$1,000,000	\$684,351	\$300,000	\$0	\$0	\$0	\$0	\$0	\$300,000			\$1,300,000	Near Duvall in unincorporated King County. 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.
33	Stossel Revetment Major Repair	WLFL2 STOSSEL MAJOR REPAIR	Lower Snoq	King County	\$723,877	\$3,092,252	\$2,368,375	\$202,625	\$30,000	\$0	\$0	\$0	\$0	\$232,625			\$3,324,877	Near Carnation in unincorporated King County. Placeholder costs for long-term facility improvement project to prevent erosion undermining 310th Ave NE.
34	Stossel Bridge Right Bank Revetment 2018 Repair	WLFL2 STOSSEL RB 2018 REPAIR	Lower Snoq	King County	\$1,041,342	\$1,057,886	\$16,544	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$1,057,886	Near Carnation in unincorporated King County. This completed project repaired approximately 250 feet of damage identified in late March 2018 to a section of the Stossel Bridge Right Bank Revetment on the Snoqualmie River, downstream of the City of Near Carnation in unincorporated King County.
35	Girl Scout Levee Setback	WLFL3 GIRL SCOUT LEVEE SETBACK	Tolt	King County	\$18,784	\$250,000	\$231,216	\$500,264	\$1,071,509	\$1,305,809	\$1,231,532	\$21,618,143	\$225,437	\$25,952,694			\$26,202,694	Near Carnation in unincorporated King County This project will set back the Girl Scout Camp Levee to reduce flood risks to the Girl Scout Camp and Remlinger Farms, improve levee integrity, increase the lateral migration area and area for ongoing sediment deposition, reduce long-term levee maintenance costs, and improve instream, floodplain and riparian habitat functions. This project is tied to and contingent on the FCD's decisions on the Tolt Level of Service study.
36	Holberg Levee 2019 Repair	WLFL3 HOLBERG 2019 REPAIR	Tolt	King County		\$250,000	\$250,000	\$0	\$310,000	\$0	\$0	\$0	\$0	\$310,000			\$560,000	Near Carnation in unincorporated King County. Facility failure has consequences for property owners immediately landward of facility. Potential for high flows and erosive damage to residences and property.
37	Holberg Levee Feasibility Study	WLFL3 HOLBERG FEASIBILITY	Tolt	King County	\$362,718	\$394,845	\$32,127	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$394,845	Near Carnation in unincorporated King County. 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 Tolt River Channel Migration study.
38	Lower Frew Levee Setback	WLFL3 L.FREW LEVEE SETBACK	Tolt	King County	\$1,026,489	\$4,404,663	\$3,378,174	\$2,516,947	\$2,633,965	\$28,398,183	\$542,887	\$0	\$0	\$34,091,982			\$38,496,645	Near Carnation in unincorporated King County. Capital Investment Strategy. Design, based on level of service analysis, the highest priority levee setback for flood risk reduction. Phase 2 construction estimated in CIS at \$14.5M-\$16.7M.
39	Lower Tolt River Acquisition	WLFL3 LOWER TOLT R ACQUISITION	Tolt	King County	\$562,696	\$4,046,475	\$3,483,779	(\$483,779)	\$1,000,000	\$1,000,000	\$0	\$0	\$0	\$1,516,221			\$5,562,696	Near Carnation in unincorporated King County. Acquire high-priority flood risk reduction properties in the lower two miles of the Tolt River consistent with the adopted Capital Investment Strategy.
40	Remlinger Levee Improvements	WLFL3 REMLINGER LEVEE IMPRVMT	Tolt	King County		\$236,654	\$236,654	\$0	\$169,774	\$1,049,513	\$0	\$0	\$0	\$1,219,287			\$1,455,941	Near Carnation in unincorporated King County Repair approximately 250 feet of the Remlinger Levee. Scope of project may be modified once Tolt River Level of Service project is completed; schedule is contingent on FCD direction on the Tolt level of service project.
41	Rio Vista Acquisitions	WLFL3 RIO VISTA ACQUISITIONS	Tolt	King County	\$2,634,441	\$5,606,331	\$2,971,890	\$2,028,110	\$2,500,000	\$2,500,000	\$2,500,000	\$1,500,000	\$1,500,000	\$12,528,110			\$18,134,441	Near Carnation in unincorporated King County. Capital Investment Strategy. Acquire at-risk homes from willing sellers.
42	San Souci Neighborhood Buyout	WLFL3 SAN SOUCI NBRHOOD BUYOUT	Tolt	King County	\$5,046,463	\$6,656,463	\$1,610,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$6,656,463	Near Carnation in unincorporated King County. Capital Investment Strategy. Acquire at-risk homes from willing sellers.
43	Sediment Management Feasibility Study	WLFL3 SEDIMENT MGMT FEAS	Tolt	King County	\$219,978	\$263,706	\$43,728	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$263,706	Near Carnation in unincorporated King County. Capital Investment Strategy. Conduct sediment management feasibility study. Update and include upper watershed sediment production estimates.
44	SR 203 Bridge Improvements Feasibility Study	WLFL3 SR 203 BR IMPRVMTS FEAS	Tolt	King County	\$216,990	\$395,900	\$178,910	(\$178,910)	\$0	\$0	\$0	\$0	\$0	(\$178,910)			\$216,990	Near Carnation in unincorporated King County. Capital Investment Strategy. Initiate study (with potential future design and construct) to add bridge span(s), raise the highway and relocate King County Parks parking area.

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45	Tolt River CIS Long Term Projects	WLFL3 TOLT CIS LONG TERM	Tolt	King County				\$0						\$0		\$28,800,000	\$28,800,000	Near Carnation in unincorporated King County Implement projects identified in the Capital Investment Strategy, approved as policy direction by the Executive Committee.
46	Tolt River CIS Medium Term Projects	WLFL3 TOLT CIS MED TERM	Tolt	King County				\$0						\$0	\$56,250,000		\$56,250,000	Near Carnation in unincorporated King County Implement projects identified in the Capital Investment Strategy, approved as policy direction by the Executive Committee.
47	Tolt Levee Level of Service Analysis	WLFL3 TOLT LEVEE LOS ANALYSIS	Tolt	King County	\$990,037	\$1,132,951	\$142,914	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$1,132,951	Near Carnation in unincorporated King County. Capital Investment Strategy: Conduct a detailed hydraulic analysis to optimize the elevation of new levees to maximize flood risk reduction benefits.
48	Tolt River Natural Area Acquisition	WLFL3 TOLT R NATURAL AREA ACQ	Tolt	King County	\$3,776,188	\$7,207,655	\$3,431,467	\$1,068,533	\$0	\$0	\$0	\$0	\$0	\$1,068,533			\$8,276,188	Near Carnation in unincorporated King County. Capital investment strategy: acquire at-risk homes from willing sellers.
49	Tolt River Rd Elevation at San Souci	WLFL3 SAN SOUCI ROAD ELEVATION	Tolt	King County	\$66,545	\$125,000	\$58,455	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$125,000	Near Carnation in unincorporated King County. Capital Investment Strategy: Construct Tolt Road NE road elevation or other flood risk reduction mitigation.
50	Tolt River Rd NE Improvements	WLFL3 TOLT R RD NE IMPRVMENTS	Tolt	King County		\$0	\$0	\$0	\$91,301	\$250,000	\$150,000	\$2,342,329	\$30,000	\$2,863,630			\$2,863,630	Near Carnation in unincorporated King County Capital Investment Strategy: Initiate design for elevation of one road location to reduce or eliminate isolation. Implement additional road elevations as funds become available.
51	Upper Frew Levee Setback	WLFL3 UPPER FREW LEVEE SETBACK	Tolt	King County	\$12,540	\$210,175	\$197,635	\$0	\$100,000	\$169,000	\$1,200,000	\$1,500,000	\$14,800,000	\$17,769,000			\$17,979,175	Near Carnation in unincorporated King County. Capital Investment Strategy: Initiate the levee setback design. Levee setback to increase sediment storage and floodwater conveyance; protect adjacent development; reduce damage to trail bridge.
52	Alpine Manor Mobile Home Park Acquisition	WLFL4 ALPINE MANOR MOB PRK ACQ	Raging	King County	\$1,753,880	\$3,433,810	\$1,679,930	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$3,433,810	Near Preston in unincorporated King County. Acquisition of at-risk homes in the Alpine Manor neighborhood.
53	<b>Snoqualmie-South Fork Skykomish Subtotal</b>	<b>Snoqualmie-South Fork Skykomish Subtotal</b>			<b>\$59,391,571</b>	<b>\$116,257,359</b>	<b>\$56,865,787</b>	<b>\$21,414,936</b>	<b>\$28,003,227</b>	<b>\$44,848,817</b>	<b>\$17,160,524</b>	<b>\$42,160,472</b>	<b>\$27,555,437</b>	<b>\$181,143,413</b>	<b>\$103,450,000</b>	<b>\$85,900,000</b>	<b>\$486,750,772</b>	
54																		
55																		
56	Allen Lake Outlet Improvements	WLFL5 ALLEN LK OUTLET IMPRVMENT	Sammamish	King County	\$124,685	\$2,381,256	\$2,256,571	\$400,000	\$10,000	\$0	\$0	\$0	\$0	\$410,000			\$2,791,256	Sammamish. To address chronic flooding on this sole access roadway with approximately 200 properties, look at upstream and downstream retention/detention options; study road-raining options; prepare Concept Development Report, analyze and select best options.
57	George Davis Creek City of Sammamish	WLFL5 GEORGE DAVIS CRK PASSAGE	Sammamish	Sammamish		\$400,000	\$400,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$400,000	Sammamish. This project will restore access to one river mile of high quality kokanee salmon habitat and reduce the risk of flooding by reducing sediment deposition.
58	Irwin Right Revetment 2020 Repair	WLFL5 IRWIN RIGHT REPAIR 2020	Sammamish	King County	\$798,562	\$836,037	\$37,475	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$836,037	Near Issaquah in unincorporated King County. Further damage to the facility could cut off the sole access to one resident (via a private road and bridge over the creek).
59	Issaquah Creek Capital Investment Strategy	WLFL5 ISSAQUAH CREEK CIS	Sammamish	King County	\$17,168	\$980,000	\$962,832	\$2,168	\$283,000	\$0	\$0	\$0	\$0	\$285,168			\$1,265,168	Near Issaquah in unincorporated King County: Identify and prioritize near-, mid-, and long-term capital projects for Flood Control District funding along Issaquah in unincorporated King County Creek.
60	Jerome Revetment 2020 Repair	WLFL5 JEROME 2020 REPAIR	Sammamish	Issaquah	\$80,329	\$355,083	\$274,754	\$0	\$250,000	\$20,000	\$0	\$0	\$0	\$270,000			\$625,083	Issaquah. The Jerome Revetment protects three private residences in the City of Issaquah. Erosion of the revetment could result in loss of property and damage to private utilities. Loss of bank in front of middle property. 70 linear feet (LF) of erosion.
61	Lake Sammamish Flood Mitigation Grants	WLFL5 LK SAMP FL MIT GRANTS	Sammamish	Grant	\$8,106	\$1,000,000	\$991,894	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$1,000,000	Issaquah: Funding for a near-term grant program to help fund flood mitigation options for lakeside landowners, such as floating docks, relocation or elevation of outbuilding and other damage-reduction and floodproofing measures. Established pursuant to FCDEM2021-3.
62	Momb Revetment 2020 Repair	WLFL5 MOMB 2020 REPAIR	Sammamish	King County	\$325,195	\$904,342	\$579,147	\$535,853	\$18,000	\$0	\$0	\$0	\$0	\$553,853			\$1,458,195	Near Issaquah in unincorporated King County. 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 at the downstream end of the facility may further destabilize the steep slope of the landslide and threaten downstream homeowners.
63	Sammamish Capital Investment Strategy	WLFL5 SAMMAMISH CIS	Sammamish	King County	\$1,630,378	\$3,153,120	\$1,522,742	\$37,387	\$0	\$0	\$0	\$0	\$0	\$37,387			\$3,190,507	Redmond, Woodinville, Bothell, and Kenmore: Identify and prioritize near-, mid-, and long-term capital projects for Flood Control District funding along the Sammamish River.
64	Willowmoor Floodplain Restoration	WLFL5 WILLOWMOOR FLDPLAIN REST	Sammamish	King County	\$3,927,652	\$4,859,977	\$932,325	\$285,089	\$0	\$0	\$0	\$0	\$0	\$285,089			\$5,145,066	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. Design only, does not include implementation costs. 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 review.
65	148th Ave SE Larsen Lake Flood Reduction Bellevue	WLFL6 148TH LARSEN LK BELLEVUE	Lk Wash Tribs	Bellevue	\$434,223	\$538,500	\$104,277	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$538,500	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.
66	Bear Creek Flood Erosion Redmond	WLFL6 BEAR CRK FLOOD EROSION	Lk Wash Tribs	Redmond	\$128	\$1,550,000	\$1,549,872	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$1,550,000	Redmond. Protect Avondale Rd from an embankment that has been scoured by floodwaters from Bear Creek.
67	Factoria Boulevard Drainage Improvements	WLFL6 FACTORIA BLVD DRAINAGE	Lk Wash Tribs	Bellevue		\$6,814,000	\$6,814,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$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.
68	Issaquah Creek Tributary Feasibility Study	WLFL6 ISSAQUAH TRIB FEAS	Lk Wash Tribs	King County	\$323,371	\$350,000	\$26,629	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$350,000	Near Issaquah in unincorporated King County. Prepare a feasibility analysis report which will include, but is not limited to, surveying, geotechnical analysis, traffic analysis, and hydraulic analysis to identify potential solutions to bridge deficiencies, including a constructed hydraulic opening with piles that collect debris and pose risks to the stability of the bridge.
69	Lower Coal Creek Drainage Bellevue	WLFL6 LOWER COAL CRK PHI	Lk Wash Tribs	Bellevue	\$11,529,354	\$13,156,592	\$1,627,238	\$1,432,358	\$0	\$0	\$0	\$0	\$0	\$1,432,358			\$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. Expenditure forecast to be updated based on current project schedule.
70	May Valley 186th St Culvert Replacement	WLFL6 MAY VALLEY 186TH CULVERT	Lk Wash Tribs	King County		\$500,000	\$500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$500,000	Near Renton in unincorporated King County. Reduce surface water flooding by replacing the culvert on East-West ditch under 186th Avenue SE.
71	May Valley Drainage	WLFL6 MAY VALLEY DRAINAGE	Lk Wash Tribs	King County	\$270,747	\$530,000	\$259,253	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$530,000	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 willing sellers for a future sediment facility.
72	Belmondo Levee 2020 Repair	WLFL7 BELMONDO 2020 REPAIR	Cedar	King County	\$420,694	\$1,938,269	\$1,517,575	\$14,925	\$18,000	\$0	\$0	\$0	\$0	\$32,925			\$1,971,194	Near Renton in unincorporated King County. Critical facilities (Utilities, CRT, SR 169). Regional impact extents. Potential human injury from sudden change in conditions. Generally exposed bank - damage likely to occur next major high-flow event.

No.	Title	Title	Basin	Service Provider	2023 Inception to Date Expenditure	2024 Inception to Date Budget	2024 Available Budget	2025 Requested	2026 Forecasted	2027 Forecasted	2028 Forecasted	2029 Forecasted	2030 Forecasted	6-Year CIP Total	CIS Year 7-10	CIS 10+ Year	Project Life Total	Comments
73	Byers Curve Levee Neighborhood Improvements	WLFL7 BYERS NBHOOD IMPROVMENTS	Cedar	King County	\$7,954	\$220,000	\$212,046	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$220,000	Near Renton in unincorporated King County. Capital Investment Strategy: Take several actions to reduce flood risk including construction of an emergency egress route, acquisition of flood-prone homes, and possible elevation of neighborhood roads. The Cedar CIS will be reviewed by the District in light of changed conditions from the 2020 flood disaster.
74	Cedar River Pre-Construction Strategic Acquisition	WLFL7 CDR PRE-CONST STRTGC ACQ	Cedar	King County	\$5,276,138	\$10,330,532	\$5,054,394	\$0	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$10,000,000			\$20,330,532	Near Renton in unincorporated King County. 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). Assumes 3 homes per year.
75	Cedar River CIS Long Term Projects	WLFL7 CEDAR CIS LONG TERM	Cedar	King County										\$0		\$35,400,000	\$35,400,000	Near Renton in unincorporated King County Implement projects identified in the Capital Investment Strategy, approved as policy direction by the Executive Committee.
76	Cedar River CIS Medium Term Projects	WLFL7 CEDAR CIS MED TERM	Cedar	King County										\$0	\$22,000,000		\$22,000,000	Near Renton in unincorporated King County Implement projects identified in the Capital Investment Strategy, approved as policy direction by the Executive Committee.
77	Cedar River Downstream Improvements	WLFL7 CEDAR R DWNSTREAM IMPV	Cedar	King County		\$150,000	\$150,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$150,000	Near Renton in unincorporated King County Improve Cedar Grove Road near Byers Road SE and alleviate roadway flooding by raising the road through the application of a thick layer of overlay.
78	Cedar River Residential Flood Mitigation	WLFL7 CEDAR RES FLOOD MITIGTN	Cedar	King County	\$3,522,731	\$6,338,123	\$2,815,392	\$0	\$2,000,000	\$1,600,000	\$1,600,000	\$1,600,000	\$1,600,000	\$8,400,000			\$14,738,123	Near Renton in unincorporated King County. Implement projects identified in the Capital Investment Strategy, approved as policy direction by the Executive Committee. Project K 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.
79	Cedar River Gravel Removal Renton	WLFL7 CEDAR RVR GRAVEL REMOVAL	Cedar	Renton	\$10,574,387	\$12,835,100	\$2,260,713	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$12,835,100	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 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.
80	Cedar River Gravel Removal Phase II Renton	WLFL7 CEDAR R GRAVEL PHASE II	Cedar	Renton			\$0	\$500,000	\$500,000	\$500,000	\$0	\$10,500,000	\$0	\$12,000,000			\$12,000,000	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 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.
81	Renton City Levee Certification	WLFL7 RENTON LEEVE CERTIFICATN	Cedar	Renton	\$1,078,341	\$1,687,922	\$609,581	\$2,500,000	\$812,078	\$0	\$0	\$0	\$0	\$3,312,078			\$5,000,000	Renton. Levee improvements necessary to satisfy levee certification engineering recommendations.
82	Cedar River Trail 5 Revetment 2020 Repair	WLFL7 CRT SITE 5 2020 REPAIR	Cedar	King County	\$329,122	\$667,620	\$338,498	\$1,880,502	\$20,000	\$0	\$0	\$0	\$0	\$1,900,502			\$2,568,122	Near Renton in unincorporated King County. Erosion and scour have resulted in loss of toe and bank rock, oversteepened and undercut banks (some portions cantilevered). Scour has undermined numerous large trees, likely to fall into the channel likely resulting in further damage of the bank. Damage is observed along approximately 350 feet of facility, near the upstream end.
83	Cedar River Trail 5B Revetment 2020 Repair	WLFL7 CRT SITE 5B 2020 REPAIR	Cedar	King County	\$325,321	\$330,321	\$5,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$330,321	Near Renton in unincorporated King County. Erosion and scour have resulted in loss of toe and bank rock, oversteepened and undercut banks (some portions cantilevered). Scour has undermined numerous large trees, likely to fall into the channel likely resulting in further damage of the bank. Damage is observed along approximately 350 feet of facility, near the upstream end.
84	Brassfield Revetment 2020 Repair	WLFL7 BRASSFIELD 2020 REPAIR	Cedar	King County			\$0	\$0	\$0	\$0	\$325,971	\$325,971	\$2,613,144	\$3,265,086			\$3,265,086	This project will repair damage to a section of revetment near RM 7.2 caused by toe scour, loss of rock, and trees that have fallen into the river. This project is on the bank opposite the 2022 Riverbend project, adjacent to several residential properties. FEMA reimbursement has been secured for this project.
85	McDonald Levee 2020 Repair	WLFL7 MCDONALD 2020 REPAIR	Cedar	King County			\$0	\$0	\$254,451	\$254,451	\$1,693,065	\$47,500	\$47,500	\$2,296,967			\$2,296,967	This project will repair a damaged section of levee near RM 11.6. The facility reduces flood risks to four residential parcels (two occupied structures) and is prone to further damage. FEMA reimbursement has been secured for this project.
86	Maplewood Revetment 2020 Repair	WLFL7 MAPLEWOOD 2020 REPAIR	Cedar	King County			\$0	\$0	\$370,078	\$370,078	\$3,031,005	\$47,500	\$47,500	\$3,866,161			\$3,866,161	This project will repair a damaged section of revetment near RM 4.3 between the SR 169 bridge and non-motorized golf course bridge. The facility provides protection for the SR 169 bridge abutment and is susceptible to further damage. FEMA reimbursement has been secured for this project.
87	Dorre Don Revetment 2020 Repair	WLFL7 DORRE DON 2020 REPAIR	Cedar	King County			\$0	\$0	\$0	\$0	\$89,595	\$89,595	\$895,947	\$1,075,137			\$1,075,137	This project will repair damage to a section of the Lower and Upper Dorre Don revetments near RM 16.55 caused by scour under the Cedar River Trail bridge. The facility provides erosion protection for the Cedar River Trail bridge, Lower Dorre Don Way SE, and a buried water line. FEMA reimbursement has been secured for this project.
88	Cedar River Trail 2 Zone D Revetment 2020 Repair	WLFL7 CRT2 ZONE D 2020 REPAIR	Cedar	King County	\$2,808	\$5,335,656	\$5,332,848	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$5,335,656	Near Renton in unincorporated King County 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 repair addresses damage to the CRT 2 revetment downstream of the 2020 emergency repair site, retrofitting the 2020 emergency repair with wood bank deflectors for long-term protection, and extending CRT 2 upstream to replace the damaged Riverbend Lower revetment, which will be removed as part of the Riverbend phase 2 project.
89	Dorre Don Revetment Neighborhood Improvements	WLFL7 DORRE DON NBHOOD IMPV	Cedar	King County		\$800,000	\$800,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$800,000	Near Renton in unincorporated King County. 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 and farther downstream near RM 16.3. The Cedar CIS will be reviewed by the District in light of changed conditions from the 2020 flood disaster.
90	Herzman to Camp Freeman Levee Setback and Repair	WLFL7 HERZMAN LEEVE SETBACK	Cedar	King County	\$3,905,049	\$12,026,144	\$8,121,095	\$3,564,120	\$3,699,881	\$1,328,315	\$0	\$0	\$0	\$8,592,315			\$20,618,452	Near Renton in unincorporated King County. Capital Investment Strategy: Setback levee; excavate side-channel to reduce pressure on revetment; reconstruct, reinforce and/or extend revetment; acquire up to 5 properties.

No.	Title	Title	Basin	Service Provider	2023 Inception to Date Expenditure	2024 Inception to Date Budget	2024 Available Budget	2025 Requested	2026 Forecasted	2027 Forecasted	2028 Forecasted	2029 Forecasted	2030 Forecasted	6-Year CIP Total	CIS Year 7-10	CIS 10+ Year	Project Life Total	Comments
91	Issaquah May Valley Improvements	WFL7 ISSAQUAH MAY VALLEY IMPV	Cedar	King County	\$88,319	\$100,000	\$11,681	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$100,000	Near Issaquah in unincorporated King County. 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 Near Issaquah in unincorporated King County Hobart Road SE and SE May Valley Road. Complete.
92	Jan Road Levee Setback	WFL7 JAN RD LEVEE SETBACK	Cedar	King County	\$15,106,382	\$15,976,060	\$869,678	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$15,976,060	Near Renton in unincorporated King County. 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 completed in 2022.
93	Lower Cedar River Feasibility Study	WFL7 LOWER CEDAR FEAS STUDY	Cedar	Renton	\$184,866	\$520,000	\$335,134	\$165,239	\$0	\$0	\$0	\$0	\$0	\$165,239			\$685,239	Renton. Capital Investment Strategy: Conduct feasibility study of Lower Cedar reach in City of Renton to 1) quantify economic damage potential 2) determine infrastructure modifications to improve flood resiliency and sediment storage potential, and 3) conduct cost-benefit analysis.
94	Lower Jones Road Neighborhood Improvements	WFL7 LOWER JONES IMPRVMENTS	Cedar	King County	\$682,439	\$2,654,203	\$1,971,764	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$2,654,203	Near Renton in unincorporated King County. Capital Investment Strategy: Raise in place or setback Jones Road; excavate and stabilize right bank to increase conveyance capacity; reinforce one revetment; remove portion of another revetment; acquire 8 at risk properties.
95	Madsen Creek Culvert 2017 Repair	WFL7 MADSEN CR CULVERT 2017	Cedar	King County	\$3,238,413	\$3,326,000	\$87,587	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$3,326,000	Near Renton in unincorporated King County To address a culvert failure affecting approximately 10 properties, prepare Concept Development Report to analyze and select best culvert replacement and road-raising option; and analyze upstream and downstream retention/detention impacts.
96	Maplewood Feasibility Study	WFL7 MAPLEWOOD FEAS STUDY	Cedar	King County	\$477,246	\$490,246	\$13,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$490,246	Renton. Capital Investment Strategy: Conduct site specific landslide risk assessment study; conduct a feasibility study to evaluate opportunities to modify the Erickson Levee. Pending results of landslide hazard analysis, FCD will consider options for a project.
97	Progressive Investment Levee Removal	WFL7 PROGRESSIVE INVST LEVEE	Cedar	King County		\$215,118	\$215,118	\$0	\$720,199	\$26,444	\$0	\$0	\$0	\$746,643			\$961,761	Renton. This project will remove the Progressive Investment Levee. It is a companion project for the CRT 5 and CRT 5B projects and will provide effective habitat lift not provided at these project sites. The Progressive Investment Levee, near River Mile 8.4 on the Cedar River, is a vestigial flood protection facility that is on public land, is currently eroding and is not directly adjacent to critical infrastructure.
98	SR 169 Flood Reduction	WFL7 SR 169 FLOOD REDUCTION	Cedar	King County	\$5,261,359	\$5,485,588	\$224,229	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$5,485,588	Near Renton in unincorporated King County. Conduct feasibility study in coordination with WSDOT to evaluate flood risk reduction opportunities, such as elevating SR 169, 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.
99	Tabor-Crowall-Brodell Revetments 2020 Repair	WFL7 TABOR-CRWALL 2020 REPAIR	Cedar	King County	\$1,068,864	\$3,518,275	\$2,449,411	\$1,770,424	\$19,297,797	\$49,156	\$0	\$0	\$0	\$21,117,377			\$24,635,652	Near Renton in unincorporated King County. Critical facilities (Utilities, CRT, SR 169). Regional impact extens. Potential human injury from sudden change in conditions. Generally exposed bank along 200 feet - damage likely to occur next major high-flow event.
100	<b>Cedar-Sammamish Subtotal</b>	<b>Cedar-Sammamish Subtotal</b>			<b>\$71,020,332</b>	<b>\$123,254,084</b>	<b>\$52,233,753</b>	<b>\$13,088,065</b>	<b>\$30,253,484</b>	<b>\$6,148,444</b>	<b>\$8,739,636</b>	<b>\$14,610,566</b>	<b>\$7,204,091</b>	<b>\$80,044,285</b>	<b>\$22,000,000</b>	<b>\$35,400,000</b>	<b>\$260,698,369</b>	
101																		
102																		
103	Briscoe Levee Setback	WFL8 BRISCOE LEVEE SETBACK	Green	Kent	\$21,376,401	\$23,330,271	\$1,953,870	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$23,330,271	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 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.
104	Black River Pump Station Control Building Replacement	WFL8 BRPS CONTROL BLDG RPLCMT	Green	King County	\$916,790	\$1,653,135	\$736,345	\$759,137	\$3,340,118	\$5,185,055	\$2,126,118	\$50,000	\$0	\$11,460,428			\$13,113,563	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.
105	Black River Pump Station Fish Passage Improvements	WFL8 BRPS FISH PASS IMPRVMENTS	Green	King County	\$2,868,668	\$7,829,021	\$4,960,353	\$13,746,472	\$50,168,507	\$64,363,982	\$16,436,752	\$50,000	\$0	\$144,765,713			\$152,594,734	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.
106	Black River Pump Station High-Use Engines	WFL8 BRPS HIGH-USE ENGINES	Green	King County	\$10,833,791	\$12,740,727	\$1,906,936	\$0	\$50,000	\$0	\$0	\$0	\$0	\$50,000			\$12,790,727	Renton. This project will design and build the first phase of renovations to the Black River pump station, replacing the three smaller pump engines which run much more frequently than the other, larger pump engines.
107	Black River Pump Station Large Engine Replacement	WFL8 BRPS LARGE ENGINE	Green	King County		\$87,418	\$87,418	\$0	\$0	\$0	\$1,091,806	\$10,305,183	\$50,000	\$11,446,989			\$11,534,407	Renton. This project will design and replace the large engines and overhaul the large pumps at the Black River pump station.
108	Black River Pump Station Seismic Upgrades	WFL8 BRPS SEISMIC UPGRADES	Green	King County	\$1,274,461	\$4,083,887	\$2,809,426	\$3,285,152	\$12,153,643	\$20,529,933	\$10,830,792	\$50,000	\$0	\$46,849,520			\$50,933,407	Renton. This project will strengthen and improve the structure and subsurface soils at the Black River Pump Station.
109	Black River Pump Station Support System Upgrades	WFL8 BRPS SUPPORT SYS UPGRADE	Green	King County	\$1,424,229	\$1,556,985	\$132,756	\$551,207	\$1,527,613	\$2,371,401	\$972,387	\$50,000	\$0	\$5,472,608			\$7,029,593	Renton. This project will design and build the third phase of renovations to the Black River pump station, replacing support systems such as engine control panels, cooling systems, oilers and hoists.
110	Covington Creek Black Diamond	WFL8 COVINGTON CR BLK DIAMOND	Green	Black Diamond	\$167,260	\$2,768,500	\$2,601,240	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$2,768,500	Black Diamond. Remove the three 6-foot diameter culverts where Lake Sawyer flows into Covington Creek and replace with a bridge to eliminate obstructions for water flow and allow passage for migrating salmon.
111	Desimone Levee Major Repair USACE	WFL8 DESIMONE MAJOR REPAIR	Green	USACE	\$1,150,869	\$26,150,869	\$25,000,000	\$846,970	\$10,378,721	\$12,040,693	\$6,866,902	\$0	\$0	\$30,133,286			\$56,284,155	Tukwila. Construct a floodwall to design elevation for 18,800 cfs plus 3 feet of freeboard, repairing slope failures, laying the levee embankment slope back and shifting the levee alignment (and trail) landward where possible. The floodwall will connect previously constructed floodwalls at Desimone reaches 1 and 2.
112	Dykstra Levee 2022 Repair	WFL8 DYKSTRA 2022 REPAIR	Green	King County	\$322	\$10,000	\$9,678	(\$9,678)	\$0	\$0	\$0	\$0	\$0	(\$9,678)			\$322	Auburn: New flood damage repair project. Address scour and bank erosion and missing toe rock upstream of 2015 Corps of Engineers repair.
113	Fort Dent Levee 2020 Repair	WFL8 FORT DENT 2020 REPAIR	Green	King County	\$529,116	\$2,102,997	\$1,573,881	\$0	\$1,838,500	\$65,564	\$0	\$0	\$0	\$1,904,064			\$4,007,061	Damage increases vulnerability of the heavily used regional Green River trail and regional soccer complex (Starfire) and Tukwila Park. Erosion increases vulnerability to trail and soccer fields.
114	Galli-Dykstra Levee 2020 Repair	WFL8 GALLIDYKSTRA 2020 REPAIR	Green	King County	\$1,379,601	\$1,656,680	\$277,080	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$1,656,680	Auburn. Complete Phase 1 repair per a request from the City of Auburn. Elevate 3500 feet levee reach to meet FEMA levee certification requirements.
115	Green River Pre-Construction Strategic Acquisition	WFL8 GREEN PRE-CONSTRCTN ACQ	Green	King County	\$8,703,445	\$17,577,724	\$8,874,279	\$0	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$25,000,000			\$42,577,724	Auburn, Kent, Near Renton in unincorporated King County, 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.
116	Green River Improvement 2024	WFL8 GREEN R IMPRVMT 2024	Green	King County		\$150,000	\$150,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$150,000	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.

No.	Title	Title	Basin	Service Provider	2023 Inception to Date Expenditure	2024 Inception to Date Budget	2024 Available Budget	2025 Requested	2026 Forecasted	2027 Forecasted	2028 Forecasted	2029 Forecasted	2030 Forecasted	6-Year CIP Total	CIS Year 7-10	CIS 10+ Year	Project Life Total	Comments
117	Green River Scour Repair 2017	WLFL8 GREEN SCOUR REPAIR 2017	Green	King County	\$47,524	\$150,000	\$102,476	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$150,000	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 is also a King County landmark.
118	HSB Breda Levee Setback Kent	WLFL8 HSB BRED A SETBACK KENT	Green	Kent	\$931,214	\$15,430,509	\$14,499,295	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$15,430,509	Kent. 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 the Horseshoe Bend levee.
119	HSB McCoy Revetment Realignment Kent	WLFL8 HSB MCCOY REALIGN KENT	Green	USACE	\$291,295	\$3,404,244	\$3,112,949	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$3,404,244	Kent. This USACE repair project replaces the SWIF capital project originally planned by the FCD. The repair project is anticipated to stabilize 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.
120	Kent Airport Revetment 2022 Repair	WLFL8 KNT ARPT RVT 2022 REPAIR	Green	King County	\$248,207	\$1,403,877	\$1,155,670	\$98,570	\$57,289	\$0	\$0	\$0	\$0	\$155,859			\$1,559,736	Kent: New flood damage repair project. Stabilize over steepened bank and rock revetment that has been undercut by rotational bank failure.
121	Lower Green River Corridor Plan and EIS	WLFL8 LWR GRN R CORR PLAN/EIS	Green	King County	\$681,217	\$748,519	\$67,302	\$0	\$10,000	\$0	\$0	\$0	\$0	\$10,000			\$758,519	Auburn, Kent, Renton, Tukwila. Lower Green River Corridor Planning and Environmental Impact Statement.
122	Lower Russell Levee Setback	WLFL8 LWR RUSSELL LEVEE SETBCK	Green	King County	\$57,400,148	\$57,965,925	\$565,777	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$57,965,925	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 riparian and aquatic habitat. Increased expenditure authority to match interim SWIF adopted by Board of Supervisors.
123	Milwaukee Levee #2 Setback	WLFL8 MILWAUKEE LEVEE #2 KENT	Green	Kent	\$2,261,656	\$19,400,000	\$17,138,344	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$19,400,000	Kent. Prepare an analysis and study of design and construction alternatives to provide flood protection, scour protection, enable levee certification and secure necessary land rights.
124	O'Connell Revetment 2021 Repair	WLFL8 O'CONNELL 2021 REPAIR	Green	King County	\$248,793	\$796,806	\$548,013	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$796,806	Kent: Stabilize the O'Connell revetment slope, and move or replace the road shoulder and guardrail.
125	Signature Point Revetment	WLFL8 SIGNATURE PT RVTMNT	Green	Kent	\$1,529,793	\$23,955,164	\$22,425,371	\$23,195,000	\$9,595,255	\$0	\$0	\$0	\$0	\$32,790,255			\$56,745,419	Kent. Project provides increased level of protection to 1.5 miles of Lower Green River Corridor. Alternative selected by Executive Committee.
126	Tukwila-205 Gunter Floodwall	WLFL8 TUK-205 GUNTER FLOODWALL	Green	King County	\$1,718,240	\$11,456,302	\$9,738,062	\$1,550,493	\$2,282,160	\$18,558,684	\$19,115,444	\$90,449	\$0	\$41,597,230			\$53,053,532	Tukwila. This project will construct a facility to bring this levee segment in compliance with certification requirements for structural stability and raise the levee to roughly the 500 year event.
127	Tukwila-205 Levee Ratolo Segment Floodwall	WLFL8 TUK-205 RATOLO FLOODWALL	Green	King County		\$350,000	\$350,000	\$0	\$1,400,000	\$50,000	\$0	\$0	\$0	\$1,450,000			\$1,800,000	Tukwila. This project will construct a 0.15 mile floodwall and sloped embankment to protect adjacent businesses from flooding. The floodwall alignment (including embankment slope, factors of safety, and necessary real estate) will be finalized during the project design phase.
128	Tukwila-205 Levee USACE Gaco-Segale Segment	WLFL8 TUK-205 USACE GACO-SEGAL	Green	USACE	\$993,500	\$1,265,416	\$271,916	\$629,220	\$5,138,549	\$29,504	\$0	\$0	\$0	\$5,797,273			\$7,062,689	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 the adopted interim SWIF. The USACE will cost-share up to 100 year level of protection. Requires cooperation agreement.
129	Puget Way Culvert Replacement	WLFLS PUGET WAY CULVERT	Seattle	Seattle	\$1,573,529	\$1,800,000	\$226,471	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$1,800,000	Seattle. This project will replace an aging and undersized creek culvert under Puget Way SW in Seattle.
130	South Park Flood Prevention	WLFLS S PARK FLOOD PREVENTION	Seattle	Seattle		\$2,041,000	\$2,041,000	\$1,320,615	\$0	\$0	\$0	\$0	\$0	\$1,320,615			\$3,361,615	Seattle. Installation and maintenance of a temporary barrier along the Duwamish River in South Park, including project management, staging and demobilization, and related work; culturally appropriate flood-related education, outreach, and engagement on near and long-term flood reduction strategies, and communication materials.
131	South Park Duwamish Backwater	WLFLS SOUTH PARK DWMSH BACKWTR	Seattle	Seattle	\$6,504,454	\$6,504,454	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$6,504,454	Seattle. Cost-share construction of pump station to reduce flooding in industrial area. Allocation of funds by year may be revised based on updated project schedule. Implemented by the City of Seattle. Expenditure forecast to be updated based on current project schedule.
132	<b>Green-Duwamish Subtotal</b>	<b>Green-Duwamish Subtotal</b>			<b>\$125,054,521</b>	<b>\$248,370,430</b>	<b>\$123,315,908</b>	<b>\$45,973,158</b>	<b>\$102,940,355</b>	<b>\$128,194,816</b>	<b>\$62,440,201</b>	<b>\$15,595,632</b>	<b>\$5,050,000</b>	<b>\$360,194,162</b>	<b>\$0</b>	<b>\$0</b>	<b>\$608,564,592</b>	
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134																		
135	212th Avenue SE at SR 164 Flood Prevention	WLFL9 212TH AVE SE @ SR 164	White	King County		\$0	\$0	\$190,000	\$0	\$0	\$0	\$0	\$0	\$190,000			\$190,000	Enumclaw. Improve the drainage system to alleviate neighborhood flooding. May require improvements outside of the road right-of-way.
136	212th Avenue SE Mitigation	WLFL9 212TH AVE SE MITIGATION	White	King County		\$65,000	\$65,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$65,000	Enumclaw. TBD
137	Charlie Jones Downstream Culvert Repair	WLFL9 CHARLIE JONES DS CULV	White	King County	\$118,326	\$1,600,000	\$1,481,674	\$50,000	\$0	\$0	\$0	\$0	\$0	\$50,000			\$1,650,000	Auburn. This project will analyze culvert replacement and road-raising options and implement the preferred option.
138	Charlie Jones Upstream Culvert Repair	WLFL9 CHARLIE JONES US CULV	White	King County	\$937,611	\$992,852	\$55,241	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$992,852	Auburn. This project will analyze culvert replacement and road-raising options and implement the preferred option.
139	A Street 2022 Hescos	WLFL9 A STREET 2022 HESCOS	White	King County	\$135,638	\$420,000	\$284,362	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$420,000	Pacific. Complete. Reduces flood elevations that impact residential neighborhoods in the City of Pacific (200 homes, with \$52 million of assessed and \$13 million content value), improves sediment storage and enhances habitat.
140	White River Capital Improvement Strategy	WLFL9 WHITE RIVER CIS	White	King County		\$150,000	\$150,000	\$0	\$300,000	\$1,000,000	\$0	\$0	\$0	\$1,300,000			\$1,450,000	Pacific. Identify and prioritize near-, mid-, and long-term capital projects for Flood Control District funding along the White River.
141	Countyline to A St Levee Setback	WLFL9 COUNTYLINE TO A STREET	White	King County	\$23,896,323	\$24,146,323	\$250,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$24,146,323	Pierce County. Complete. Reduces flood elevations that impact residential neighborhoods in the City of Pacific (200 homes, with \$52 million of assessed and \$13 million content value), improves sediment storage and enhances habitat.
142	Pacific Right Bank Levee Setback	WLFL9 RIGHT BANK LEVEE SETBACK	White	King County	\$16,247,849	\$22,452,930	\$6,205,081	\$0	\$3,570,259	\$34,807,723	\$2,660,028	\$0	\$97,690	\$41,135,700			\$63,588,630	Pacific. Construct a new levee setback in the City of Pacific, extending from BNSF railroad bridge embankment to endpoint at Butte Ave. by White River Estates neighborhood.
143	Stuck River Drive Revetment Flood Protection	WLFL9 STUCK R DR FLOOD PROTCTN	White	King County		\$0	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$1,000,000			\$1,000,000	Auburn. TBD
144	<b>White Subtotal</b>	<b>White Subtotal</b>			<b>\$41,335,747</b>	<b>\$49,827,105</b>	<b>\$8,491,358</b>	<b>\$240,000</b>	<b>\$3,870,259</b>	<b>\$35,807,723</b>	<b>\$2,660,028</b>	<b>\$1,000,000</b>	<b>\$97,690</b>	<b>\$43,675,700</b>	<b>\$0</b>	<b>\$0</b>	<b>\$93,502,805</b>	
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147	Flood Risk Reduction Grants	WLFLG FLOOD REDUCTION GRANTS	Countywide	Grant	\$31,705,596	\$74,191,881	\$42,486,285	\$13,806,963	\$14,185,420	\$14,562,224	\$14,955,782	\$15,356,094	\$15,749,970	\$88,616,453			\$162,808,334	Competitive grant program for flood reduction projects. Increases as a proportion of total FCD tax revenue.
148	Water Resource Inventory Area (WRIA) Grants	WLFLG WRIA GRANTS	Countywide	Grant	\$50,155,820	\$83,736,879	\$33,581,059	\$11,634,742	\$11,953,657	\$12,271,179	\$12,602,819	\$12,940,151	\$13,272,059	\$74,674,607			\$158,411,486	Cooperative Watershed Management Grant Program; priorities recommended by watershed groups. Increase based on assumed inflation rate.
149	Flood Program Effectiveness Monitoring	WLFLM EFFECTIVENESS MONITORING	Countywide	King County	\$5,989,441	\$7,336,090	\$1,346,649	\$568,087	\$853,780	\$845,780	\$716,830	\$568,600	\$553,500	\$4,106,577			\$11,442,667	Evaluation of capital projects to determine effectiveness and identify project design improvements.
150	Subregional Opportunity Fund	WLFLQ SUBREGNL OPPRTNTY FUND	Countywide	Grant	\$64,225,056	\$85,442,749	\$21,217,693	\$6,000,786	\$6,098,506	\$6,170,535	\$6,243,517	\$6,317,243	\$6,391,431	\$37,222,018			\$122,664,767	Allocation to all King County jurisdictions for flooding, water quality, or watershed management projects. Increases as a proportion of total FCD tax revenue.
151	Central Charges	WLFLX CENTRAL CHARGES	Countywide	King County	\$1,882,458	\$2,227,644	\$345,186	\$654,814	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$3,154,814			\$5,382,458	Central charges related to the FCD's capital fund.
152	Flood Construction Materials Stockpile	WLFLX FLOOD MATERIAL STOCKPILE	Countywide	King County	\$149,992	\$149,992	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$149,992	Stockpile material for future flood damage repairs.
153	Duwamish King Tide Forecast	WLFLX DUWAMISH KING TIDE FRCST	Countywide	King County	\$0	\$625,000	\$625,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$625,000	The FCD directs King County to develop and implement an expansion of the county Flood Warning Center to include forecasted King Tide events on the Duwamish River by October 1, 2024.
154	Climate Corps	WLFLX CLIMATE CORPS	Countywide	King County	\$0	\$750,000	\$750,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$750,000	Creates or augments an existing internship program focused on developing workforce pathways creating, career opportunities, and living wage jobs for youth related to climate change, habitat restoration and/or flood risk reduction.

No.	Title	Title	Basin	Service Provider	2023 Inception to Date Expenditure	2024 Inception to Date Budget	2024 Available Budget	2025 Requested	2026 Forecasted	2027 Forecasted	2028 Forecasted	2029 Forecasted	2030 Forecasted	6-Year CIP Total	CIS Year 7-10	CIS 10+ Year	Project Life Total	Comments
155	Farmland Lease	WFLX FARMLAND LEASE	Countywide	King County	\$0	\$200,000	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$200,000	Directs King County to lease 30 acres of farmland consistent with the guidelines of the King County Farmland Lease Program.
156	Countywide Strategic Acquisitions	WFLX COUNTYWIDE STRATEGIC ACQ	Countywide	King County	\$6,536	\$4,000,000	\$3,993,464	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$4,000,000	This project acquires properties with a connection to flooding as directed by the Flood District Board of Supervisors.
157	Flood Warning Center IT Upgrades	WFLX FWC IT UPGRADES	Countywide	King County	\$297,315	\$1,500,000	\$1,202,685	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$1,500,000	Replace existing IT systems that are outdated and at risk for failure.
158	Flood Emergency Contingency	WFLX FLOOD EMERGENCY CONTGNCY	Countywide	King County	\$419,042	\$1,419,042	\$1,000,000	\$0	\$0	\$0	\$250,000	\$250,000	\$250,000	\$750,000			\$2,169,042	Contingency for emergency response actions during a flood event.
159	<b>Countywide Subtotal</b>	<b>Countywide Subtotal</b>			<b>\$154,831,255</b>	<b>\$261,579,276</b>	<b>\$106,748,021</b>	<b>\$32,665,392</b>	<b>\$33,591,363</b>	<b>\$34,349,718</b>	<b>\$35,268,948</b>	<b>\$35,932,088</b>	<b>\$36,716,960</b>	<b>\$208,524,469</b>	<b>\$0</b>	<b>\$0</b>	<b>\$470,103,745</b>	
160																		
161	<b>Grand Total</b>	<b>Grand Total</b>			<b>\$451,633,427</b>	<b>\$799,288,254</b>	<b>\$347,654,827</b>	<b>\$113,381,551</b>	<b>\$198,658,688</b>	<b>\$249,349,518</b>	<b>\$126,269,337</b>	<b>\$109,298,758</b>	<b>\$76,624,178</b>	<b>\$873,582,029</b>	<b>\$125,450,000</b>	<b>\$121,300,000</b>	<b>\$1,919,620,284</b>	