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King County Flood Control District Advisory Committee Meeting Agenda

The King County Flood Control District Advisory Committee is created to provide expert policy advice to the Board of Supervisors of the King County Flood Control Zone District on regional flood protection issues. The committee shall review and recommend an annual work program and budget for the district, including capital improvement program projects and funding levels, subject to approval or approval and modification by the Board of Supervisors. Ordinance 15728, April 16, 2007.

MEETING TIME AND LOCATION

July 14, 2023

10:00 a.m. - noon

Join Zoom Meeting

<https://us02web.zoom.us/j/89033179038?pwd=UjhRTzVMV3pEYU93dm9HVFNhSjhqUT09>

Meeting ID: 890 3317 9038

Passcode: 182244

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PURPOSE OF THE MEETING

- Introduce 2024 – 2029 Preliminary Draft Budget

Time	Topic	Objective	Lead	Materials
10:00	Call to Order Roll Call		Dana Ralph, Chair Kjristine Lund, Facilitator	
10:10	Public Comment		Dana Ralph, Chair	
10:15	Meeting Summary Approval		Dana Ralph, Chair	Draft Meeting Summary March 29, 2023
10:20	Executive Director Report	Update about mid-year 2023 Budget and District activities	Michelle Clark, Executive Director, King County Flood District	
10:30	2024 - 2029 Preliminary Draft Budget	Provide first look at preliminary draft 2024 annual budget and 6- year CIP. Answer Advisory Committee questions.	Brian Murray, Manager, Program and Policy Services, River and Floodplain Management Section (RFMS)	Presentation of Budget Materials <ul style="list-style-type: none"> • Operating budget • 2024-2029 Six-year CIP Project Allocations • Financial Plan • Graphic of actual and forecasted expenditures
11:30	Next Steps	Identify follow-up budget information requests for next Advisory Committee meeting	Michelle Clark, Executive Director Kjristine Lund, Facilitator	
12:00	Adjourn		Dana Ralph, Chair	

Committee Members

Status	Jurisdiction	Title	Name
Member	City of Auburn	Mayor	Nancy Backus
Member	City of Bellevue	Mayor	Lynne Robinson
Member	City of Carnation	Mayor	Jim Ribail
Member	City of Kent	Mayor	Dana Ralph, Chair
Member	King County	Executive	Dow Constantine
Member	City of North Bend	Mayor	Rob McFarland, Vice Chair
Member	City of Renton	Mayor	Armondo Pavone
Member	City of Seattle	Mayor	Bruce Harrell
Member	City of Snoqualmie	Mayor	Katherine Ross
Member	City of Tukwila	Mayor	Allan Ekberg
SCA	Black Diamond	Mayor	Carol Benson
SCA	Burien	Councilmember	Sarah Moore
SCA	City of Sammamish	Councilmember	Karen Howe
SCA	Town of Skykomish	Mayor	Henry Sladek
Rural Unincorporated			Ken Hearing
Alternate SCA	Unfilled		
Alternate SCA	City of Des Moines	Councilmember	JC Harris
Alternate SCA	City of Kenmore	Deputy Mayor	Melanie O’Cain
Alternate SCA	City of Pacific	Mayor	Leanne Guier
Alternate	City of Auburn		
Alternate	City of Bellevue		
Alternate	City of Carnation		
Alternate	City of Kent	Councilmember	Toni Troutner
Alternate	King County	Deputy Executive	April Putney
Alternate	City of North Bend	Councilmember	Mark Joselyn
Alternate	City of Renton	Councilmember	Valerie O’Halloran
Alternate	City of Seattle	Councilmember	Alex Pedersen
Alternate	City of Snoqualmie		
Alternate	City of Tukwila	Councilmember	Thomas McLeod

COMMITTEE GROUND RULES

Come to committee meetings prepared and honor timeframes

Respect each other’s perspectives

Listen and participate actively

Committee members are encouraged to use their video cameras

The chat function should only be used by Committee members

PRELIMINARY DRAFT King County Flood Control District Operating Budget (6/29/2023)

Category	Category Name	2023 Adopted	2024 Draft	Change	Program Description	Changes from Adopted 2023 Budget
1	Annual Maintenance	\$2,836,298	\$2,698,298	-\$138,000	Maintenance activities to properly operate and maintain the District's investments, including levees, revetments, properties, and pump stations, as well as large wood hazard investigations in support of the King County Sheriff. Facility inspections and assessments may lead to proposed repairs in the capital program. Inspections and assessments also help to increase the potential for federal funding assistance for future flood damages. This includes implementation of routine flood facility inspection and maintenance for approximately 500 levees and and revetments along 119 miles of river so that minor maintenance needs do not become larger scale repair problems. The program also includes property inspections and maintenance for the approximately 800 acres of publicly owned floodplain property (managed as 200 separate sites), a responsibility that grows each year as property is acquired to reduce flood risks and/or support capital project construction. Maintenance actions to identify and resolve problems that might pose a risk to the community such as attractive nuisances (a hazardous object or condition that poses a risk), illegal dumping, noxious weeds, and public health risks. This category includes maintenance, facility assessment and monitoring, facility maintenance and repair, management of sediment and large wood, and monitoring of flood protection assets. The largest expenditures in this category are (1) operation and maintenance of the Green River Pump Stations (2) maintenance crew time and (3) inspections of levees, revetments, and property on a 2-year cycle.	Reduction in 2024 is due to one-time consultant budget in 2023 for asset management feasibility study.
2	Flood Hazards Plan, Grants, Outreach	\$982,429	\$1,000,429	\$18,000	Programmatic elements of floodplain management include many approaches to understand and communicate risk so that all floodplain residents and users can prepare and protect themselves from flooding and related riverine hazards. Other programmatic elements include organizational performance measurement. This category includes funding for the Flood Hazard Management Plan Update, and coordinating compliance with FEMA's Community Rating System. Flood Hazard Management Plan Update costs will be covered by \$275,000 carryover previously authorized by the FCD. Also included is the planning, outreach and grant submittals associated with repetitive loss mitigation projects, while the actual buyouts and elevations are funded via the capital program. All of this work is only conducted with prior authorization from the Flood Control District. Public outreach associated with specific capital projects is funded through the capital program.	Minor adjustment based on staff allocation. Note that the remaining expenditure authority for the Flood Plan consultant will be carried over in the mid-year budget.
3	Flood Hazard Studies, Maps, Technical Services	\$2,786,712	\$2,306,712	-\$480,000	Generate technical information used to characterize, quantify, and delineate flood risks, as well as to develop and implement strategies and actions to reduce those risks. Flood hazard technical information types include hydrologic and hydraulic studies, floodplain and channel migration zone (CMZ) maps, geologic studies, geographic information system (GIS) land use data, dam operations studies, risk assessments and flood hazard management corridor working maps. These technical assessments are used to inform the capital project feasibility, prioritization, and design process funded by the capital program. The base budget includes funding for LiDAR and post-flood channel evaluations that will not occur unless there are high flow events.	Request is based on spending plan for consultants in 2024. Assumes 2024 is focused on completing existing ongoing technical studies.

PRELIMINARY DRAFT King County Flood Control District Operating Budget (6/29/2023)

Category	Category Name	2023 Adopted	2024 Draft	Change	Program Description	Changes from Adopted 2023 Budget
4	Flood Preparation, Flood Warning Center	\$1,291,336	\$1,291,336	\$0	Implement a comprehensive approach to preparing and educating the community for flood events, coordinating emergency response and regional flood warning center operations during flood events, and ensuring consistency across basins for post-flood recovery actions. Post-flood damage assessments may result in capital projects to repair damaged facilities. Flood and post- flood activities are tracked with a unique project number so that expenditures may be submitted for any federal assistance that becomes available following a federal disaster declaration. Base budget includes annual flood preparedness campaign, sandbag supplies for distribution centers in each basin, the King County Flood Alert system, King County Sheriff's Office staff for flood emergency response and cost-share with U.S. Geological Survey for operations and maintenance of real-time river gauges around King County	No change. Note that Flood Warning program IT improvements are underway and funded in the capital program.
5	Program Management, Supervision, Finance, Budget	\$2,006,077	\$2,106,077	\$100,000	Provide supervisory, financial management, contract administration, capital program oversight, and administrative services for the River and Floodplain Management Section to implement the District's work program. Financial management tasks include forecasting, budget development, accounting, and financial and performance audits from the State of Washington, Flood Control District, King County Council, state and federal grantors, as well as quarterly internal audits by King County Procurement. This category also include contract development and administration for work order contracts, individual work orders are budgeted and accounted for under other work categories or under a specific capital project.	Adjusted based on staff allocations.
6	Program Implementation	\$2,015,876	\$2,515,876	\$500,000	Implement flood hazard management programs and coordinate capital improvement projects for the District. This work category includes river basin team as well as the countywide capital strike team, responsible for identifying, implementing, and tracking flood risk reduction program and project actions within a given basin. This work category includes coordination with other flood risk reduction partners through the Basin Technical Committees, and similar multi stakeholder efforts to manage risk and coordinate efforts in each river basin. This category also includes coordination meetings at the Section, team, and individual supervisory level, coordination with the District, as well as trainings for River and Floodplain Management Section staff. Time spent on capital projects is reimbursed from the capital project fund.	Adjusted based on staff allocations.
7	Overhead / Central Costs	\$3,889,428	\$3,889,428	\$0	This category includes use-based and FTE-based overhead costs from the Water and Land Resources Division of the Department of Natural Resources and Parks and King County. Examples include use-based charges for the Prosecuting Attorney's Office, risk management, and the financial management system, as well as FTE-based charges for building rent and utilities. When staff loan out from the operating fund to the capital fund, the capital fund reimburses the operating fund for FTE-related overhead charges. Per the Inter-Local Agreement between the District and King County, "administrative overhead costs shall be determined in accordance with the Overhead Cost Allocation Policy adopted as part of the County's Comprehensive Financial Management Policies, as currently in effect and as amended, and with the overhead costs in the adopted County budget."	No change from the biennial budget.
Grand Total		\$15,808,156	\$15,808,156	\$0		

King County Flood Control District

Capital Investment Strategy Project
Grant/External Revenue Awarded
Cost Share Contribution to Others
Added in 2023
Proposed New Add in 2024

PRELIMINARY DRAFT 2024 - 2029 Six-Year CIP Project Allocations
Attachment H

7/5/2023

No.	Title	Basin	Service Provider	2022 Inception to Date Expenditure	2023 Inception to Date Budget	2023 Available Budget	2024 Requested	2025 Forecasted	2026 Forecasted	2027 Forecasted	2028 Forecasted	2029 Forecasted	6-Year CIP Total	Project Life Total	Comments
1	WLFL0 SF SKYKMSH REP LOSS MIT	SF Skykomish	King County	\$3,177,614	\$6,179,041	\$3,001,427	\$3,000,000	\$1,500,000	\$0	\$0	\$0	\$0	\$4,500,000	\$10,679,041	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	WLFL0 TIMBER LN EROSN BUYOUTS	SF Skykomish	King County	\$1,972,649	\$2,812,095	\$839,446	\$2,000,000	\$1,000,000	\$0	\$0	\$0	\$0	\$3,000,000	\$5,812,095	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	WLFL0 TIMBERLANE 2019 REPAIR	SF Skykomish	King County	\$567,117	\$567,117	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$567,117	Near Skykomish in unincorporated King County. Revetment is approximately 300 LF along left bank of South Fork Skykomish River. Unstable section of vertical stacked rock is approximately 150 LF. Failure has occurred previously in this section of revetment.
4	WLFL1 BENDIGO UPR SETBACK NORTH BEND	Upper Snoq	North Bend	\$2,621	\$50,000	\$47,379	\$0	\$0	\$0	\$0	\$0	\$4,200,000	\$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.
5	WLFL1 CIRCLE RVR RANCH RISK RED	Upper Snoq	King County	\$1,195,360	\$1,547,800	\$352,440	\$576,600	\$9,720	\$0	\$0	\$0	\$0	\$586,320	\$2,134,120	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.
6	WLFL1 CITY SNOQ ACQUISITIONS	Lower Snoq	Snoqualmie		\$3,000,000	\$3,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,000,000	City of Snoqualmie. Elevate several flood-prone homes in the areas around Walnut St and Northern St.
7	WLFL1 CITY SNOQ HOME ELEVATIONS	Lower Snoq	Snoqualmie		\$1,468,000	\$1,468,000	(\$968,000)	\$500,000	\$468,000	\$0	\$0	\$0	\$0	\$1,468,000	City of Snoqualmie. Elevate several flood-prone homes in the areas around Walnut St and Northern St.
8	WLFL1 MASON THORSON ELLS 2022 REPAIR	Lower Snoq	King County	\$56,225	\$205,000	\$148,775	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$205,000	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.
9	WLFL1 MF FLOOD CONVEYANCE N BEND	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	WLFL1 MF RESIDENTIAL FLD MTG TN	Upper Snoq	King County	\$20,030	\$1,732,261	\$1,712,231	\$500,000	\$0	\$0	\$0	\$0	\$0	\$500,000	\$2,232,261	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	WLFL1 NF CONFLUENCE REVETMENT REMOVAL	Upper Snoq	King County		\$128,356	\$128,356	\$682,704	\$13,800	\$0	\$0	\$0	\$0	\$696,504	\$824,860	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	WLFL1 NF SNOQUALMIE RES FLD MIT	Upper Snoq	King County	\$53	\$2,000,053	\$2,000,000	\$500,000	\$0	\$0	\$0	\$0	\$0	\$500,000	\$2,500,053	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	WLFL1 NORMAN CREEK DS CULV	Upper Snoq	King County	\$722,080	\$724,000	\$1,920	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$724,000	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	WLFL1 NORMAN CREEK US 2024 CULV	Upper Snoq	King County		\$350,000	\$350,000	\$750,000	\$0	\$0	\$0	\$0	\$0	\$750,000	\$1,100,000	Near North Bend in unincorporated King County. Improve SE 92nd Street.
14	WLFL1 NORTH FORK BRIDGE FEASIBILITY	Upper Snoq	King County	\$419,069	\$464,583	\$45,514	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$464,583	Near North Bend in unincorporated King County. Initiate feasibility study to mitigate the risk of scour damage to the North Fork Bridge by retrofitting the existing structure with deep foundations or alternative risk mitigation strategies. Alternatives analysis report scheduled for submittal in Q3; total project cost may be revised based on the selected alternative.
15	WLFL1 PUMP STATION REVETMENT IMPROVEMENTS	Lower Snoq	King County		\$103,030	\$103,030	\$181,529	\$205,078	\$1,099,965	\$0	\$0	\$0	\$1,486,572	\$1,589,602	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.

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16	WLFL1 RECORD OFFICE 2016 REPAIR	Upper Snoq	Snoqualmie	\$3,394,709	\$3,883,278	\$488,569	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,883,278	Snoqualmie. Repair downstream 200 lineal feet of facility which is missing face rock and toe rock. A significant scour hole has formed around a City of Snoqualmie stormwater outfall pipe at the downstream end of facility. Potential erosion impact to Park Ave SE in City of Snoqualmie, an area included in the City's planned "Riverwalk" park and trail project. Project implemented by City of Snoqualmie as part of Riverwalk project, completed in 2021.
17	WLFL1 REIF RD LEVEE IMPROVEMENTS	Upper Snoq	King County		\$67,000	\$67,000	\$0	\$600,000	\$600,000	\$160,000	\$0	\$0	\$1,360,000	\$1,427,000	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.
18	WLFL1 REINIG RD RVTMNT 2016 REPAIR	Upper Snoq	King County	\$6,823,548	\$6,891,008	\$67,460	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,891,008	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.
19	WLFL1 RIBARY CREEK N BEND	Upper Snoq	North Bend	\$27,664	\$952,660	\$924,996	\$1,157,949	\$5,011,044	\$0	\$0	\$0	\$0	\$6,168,993	\$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.
20	WLFL1 SF CIS LONG TERM	Upper Snoq	King County		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$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.
21	WLFL1 SF CIS MED TERM	Upper Snoq	King County		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$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.
22	WLFL1 SHAKE MILL LB 2016 REPAIR	Upper Snoq	King County	\$2,939,114	\$3,139,161	\$200,047	\$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.
23	WLFL1 SHAKE MILL RB 2016 REPAIR	Upper Snoq	King County	\$676,384	\$676,384	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$676,384	Near Near North Bend in unincorporated King County in unincorporated King County. Between 428th St Bridge and Tate Creek, several locations on levee where toe-rock dislodged and corresponding minor bank erosion along 50-60 feet of river bank. Actual gaps range between 6-10 feet. Missing toe rock compromises levee integrity, increasing its vulnerability to further scour and potential failure. Failure of this facility could result in damage to a heavily used county road (428th Ave SE).
24	WLFL1 TATE CR SCOUR FEASIBILITY	Upper Snoq	King County		\$150,000	\$150,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$150,000	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.
25	WLFL1 UPR SNO RES FLD MITIGTN	Upper Snoq	King County	\$12,553,741	\$15,553,741	\$3,000,000	\$2,000,000	\$0	\$0	\$0	\$0	\$0	\$2,000,000	\$17,553,741	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.
26	WLFL1 USACE PL 84-99 UPPER SNO	Upper Snoq	King County	\$248,419	\$663,594	\$415,175	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$663,594	Near Near North Bend in unincorporated King County in unincorporated King County. Ensure eleven South Fork Snoqualmie River levees meet the standards of the US Army Corps of Engineers PL 84-99 program in order to receive future assistance from the Corps in the event of flood damage to the levees.
27	WLFL2 264TH AVE NE AT SR 202 FLD IMPRVMT	Lower Snoq	King County		\$0	\$0	\$0	\$540,000	\$0	\$0	\$0	\$0	\$540,000	\$540,000	Redmond. Alleviate flooding on this sole access road by replacing the existing culverts and raising the roadway to eliminate over-topping during flood events.
28	WLFL2 334TH AVE SE & SE 43RD PL FLD IMPRVMT	Lower Snoq	King County		\$0	\$0	\$0	\$500,000	\$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.
29	WLFL2 DUTCHMAN RD REPAIR	Lower Snoq	King County	\$918,067	\$1,536,907	\$618,840	\$1,112,642	\$1,581,189	\$6,873,365	\$28,363	\$0	\$0	\$9,595,559	\$11,132,466	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.
30	WLFL2 FALL CITY FLOODPLAIN RESTORATION	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.
31	WLFL2 FARM FLOOD TSK FORCE IMP	Lower Snoq	King County	\$851,768	\$979,803	\$128,035	\$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.

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32	WLFL2 FISH HATCHERY RD BR #61B REPAIR	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.
33	WLFL2 JOY 2020 REPAIR	Lower Snoq	King County	\$71,603	\$71,603	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$71,603	Near Duvall in unincorporated King County. Design and repair approximately 800 linear feet of bank erosion along the Joy Revetment on the left bank of the Snoqualmie River across from the City of Near Duvall in unincorporated King County. Bank erosion is undermining an existing
34	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.
35	WLFL2 LWR SNO RESDL FLD MITGTN	Lower Snoq	King County	\$3,272,960	\$5,592,577	\$2,319,617	\$3,224,247	\$0	\$0	\$0	\$0	\$0	\$3,224,247	\$8,816,824	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.
36	WLFL2 MUD CREEK SEDIMENT FACILITY	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.
37	WLFL2 SNOQUALMIE VALLEY FEAS	Lower Snoq	King County	\$48,791	\$500,000	\$451,209	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$500,000	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.
38	WLFL2 STOSSEL LONG TERM REPAIR	Lower Snoq	King County	\$479,034	\$657,078	\$178,044	\$2,435,174	\$31,827	\$0	\$0	\$0	\$0	\$2,467,001	\$3,124,079	Near Carnation in unincorporated King County. Placeholder costs for long-term facility improvement project to prevent erosion undermining 310th Ave NE.
39	WLFL2 STOSSEL RB 2018 REPAIR	Lower Snoq	King County	\$1,026,394	\$1,057,886	\$31,492	\$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.
40	WLFL2 TOLT PIPELINE PROTECTION	Lower Snoq	King County	\$10,745,450	\$10,745,450	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,745,450	Near Carnation in unincorporated King County. This completed project repaired approximately 800 linear feet of the Winkelman (formerly RM 13.5) revetment. Erosion along the right bank of the Snoqualmie River channel threatens to undermine the Seattle Public Utilities water supply line at this location south of Near Duvall in unincorporated King County. Construction is complete.
41	WLFL3 GIRL SCOUT LEVEE SETBACK	Tolt	King County		\$50,000	\$50,000	\$200,000	\$500,000	\$1,050,000	\$650,000	\$9,876,954	\$25,000	\$12,301,954	\$12,351,954	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.
42	WLFL3 HOLBERG 2019 REPAIR	Tolt	King County		\$250,000	\$250,000	\$0	\$70,000	\$65,000	\$377,000	\$0	\$0	\$512,000	\$762,000	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.
43	WLFL3 HOLBERG FEASIBILITY	Tolt	King County	\$355,355	\$394,845	\$39,490	\$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.
44	WLFL3 LOWER FREW LEVEE SETBACK	Tolt	King County	\$364,663	\$2,251,096	\$1,886,433	\$2,153,567	\$750,000	\$14,644,681	\$50,000	\$0	\$0	\$17,598,248	\$19,849,344	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
45	WLFL3 LOWER TOLT RIVER ACQUISITION	Tolt	King County	\$543,853	\$1,546,475	\$1,002,622	\$2,500,000	\$0	\$0	\$0	\$0	\$0	\$2,500,000	\$4,046,475	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.
46	WLFL3 REMLINGER LEVEE IMPROVEMENTS	Tolt	King County		\$87,459	\$87,459	\$149,195	\$169,774	\$1,136,972	\$0	\$0	\$0	\$1,455,941	\$1,543,400	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.
47	WLFL3 RIO VISTA PROPERTY ACQ	Tolt	King County	\$2,551,027	\$3,606,331	\$1,055,304	\$2,000,000	\$1,000,000	\$0	\$0	\$0	\$0	\$3,000,000	\$6,606,331	Near Carnation in unincorporated King County. Capital Investment Strategy: Acquire at-risk homes from willing sellers.
48	WLFL3 SAN SOUCI NBRHOOD BUYOUT	Tolt	King County	\$5,046,463	\$5,656,463	\$610,000	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$6,656,463	Near Carnation in unincorporated King County. Capital Investment Strategy: acquire at-risk homes from willing sellers.
49	WLFL3 SEDIMENT MGMT FEAS	Tolt	King County	\$208,477	\$263,706	\$55,229	\$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.
50	WLFL3 SR 203 BR IMPRVMENTS FEAS	Tolt	King County	\$187,453	\$395,900	\$208,447	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$395,900	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.
51	WLFL3 TOLT CIS LONG TERM	Tolt	King County		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$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.

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52	WLFL3 TOLT CIS MED TERM	Tolt	King County		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$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.
53	WLFL3 TOLT R LEVEE L.O.S. ANALYSIS	Tolt	King County	\$934,090	\$1,132,951	\$198,861	\$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.
54	WLFL3 TOLT R NATURAL AREA ACQ	Tolt	King County	\$3,771,655	\$5,207,655	\$1,436,000	\$2,000,000	\$0	\$0	\$0	\$0	\$0	\$2,000,000	\$7,207,655	Near Carnation in unincorporated King County. Capital investment strategy: acquire at-risk homes from willing sellers.
55	WLFL3 TOLT R RD ELEV SAN SOUCI	Tolt	King County	\$52,284	\$125,000	\$72,716	\$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.
56	WLFL3 TOLT R RD NE IMPROVEMENTS	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.
57	WLFL3 UPPER FREW LEVEE SETBACK	Tolt	King County	\$175	\$50,175	\$50,000	\$160,000	\$1,200,000	\$1,500,000	\$14,800,000	\$15,000	\$0	\$17,675,000	\$17,725,175	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.
58	WLFL4 ALPINE MANOR NEIGHBORHOOD BUYOUTS	Raging	King County	\$1,753,880	\$2,183,810	\$429,930	\$1,250,000	\$0	\$0	\$0	\$0	\$0	\$1,250,000	\$3,433,810	Near Preston in unincorporated King County. Acquisition of at-risk homes in the Alpine Manor neighborhood.
59	WLFL4 RAGING SCOUR REPAIR 2017	Raging	King County	\$25,062	\$80,000	\$54,938	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$80,000	Near Fall City in unincorporated King County. Complete. This bridge has a history of scour damage. One of the arch foundations is exposed. Repair scour mitigation measures to protect the footing. It serves only one house but is a designated King County Landmark.
60	Snoqualmie-South Fork Skykomish Subtotal			\$69,318,502	\$103,163,332	\$33,844,832	\$28,565,607	\$15,273,733	\$27,687,983	\$16,215,363	\$12,234,283	\$4,255,000	\$104,231,969	\$396,745,301	
61															
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63	WLFL5 ALLEN LK OUTLET IMPRVMT	Sammamish	King County	\$81,479	\$881,256	\$799,777	\$1,500,000	\$400,000	\$10,000	\$0	\$0	\$0	\$1,910,000	\$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-raising options; prepare Concept Development Report, analyze and select best options.
64	WLFL5 GEORGE DAVIS CRK CITY OF SAMMAMISH	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.
65	WLFL5 IRWIN R 2020 REPAIR	Sammamish	King County	\$738,537	\$836,037	\$97,500	\$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).
66	WLFL5 ISSAQUAH CREEK CIS	Sammamish	King County		\$200,000	\$200,000	\$780,000	\$300,000	\$0	\$0	\$0	\$0	\$1,080,000	\$1,280,000	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.
67	WLFL5 JEROME 2020 REPAIR	Sammamish	Issaquah	\$15,319	\$355,083	\$339,764	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$355,083	Near 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.
68	WLFL5 LK SAMMAMISH FLOOD MIT GRANTS	Sammamish	Grant		\$1,000,000	\$1,000,000	\$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.
69	WLFL5 MOMB 2020 REPAIR	Sammamish	King County	\$225,090	\$379,342	\$154,252	\$525,000	\$15,000	\$0	\$0	\$0	\$0	\$540,000	\$919,342	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.
70	WLFL5 SAMMAMISH CIS	Sammamish	King County	\$757,483	\$2,368,401	\$1,610,918	\$784,719	\$0	\$0	\$0	\$0	\$0	\$784,719	\$3,153,120	Redmond: Identify and prioritize near-, mid-, and long-term capital projects for Flood Control District funding along the Sammamish River.
71	WLFL5 WILLOWMOOR FLDPLAIN REST	Sammamish	King County	\$3,760,423	\$4,221,871	\$461,448	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,221,871	Redmond. Willowmoor Floodplain Restoration Project seeks to reduce the frequency and duration of high lake levels in Lake Sammamish while maintaining downstream Sammamish River flood control performance and enhancing habitat. The project will reconfigure the Sammamish transition zone to ensure ongoing flow conveyance, downstream flood control, potential extreme lake level reduction, habitat conditions improvement, and reduction of maintenance impacts and costs. Project is currently on hold pending completion of a 3rd party review.
72	WLFL6 148TH AVE SE LARSEN LK BELLEVUE	Lk Wash Tribs	Bellevue	\$314,798	\$400,000	\$85,202	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$400,000	Bellevue. Conduct a site assessment and initiate preliminary design to progress toward construction of best drainage treatments and resilient design to reduce or eliminate roadway flooding on 148th Ave SE. Improve high water flow capacity for Larsen Lake/Lake Hills Greenbelt to Kelsey Creek where it floods 148th Avenue SE during moderate to severe storm and longer duration rainfall periods.
73	WLFL6 BEAR CRK FLOOD EROSION REDMOND	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.
74	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.

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75	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.
76	WLFL6 LOWER COAL CRK PH I	Lk Wash Tribs	Bellevue	\$11,482,126	\$11,846,592	\$364,466	\$1,310,000	\$1,432,358	\$0	\$0	\$0	\$0	\$2,742,358	\$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.
76	WLFL6 MAY VALLEY 186TH ST CULVERT	Cedar	King County			\$0	\$500,000	\$0	\$0	\$0	\$0	\$0	\$500,000	\$500,000	Near Renton in unincorporated King County. Reduce surface water flooding of private property by replacing the private culvert on East-West Ditch under 186th Avenue SE.
77	WLFL6 MAY VALLEY DRAINAGE IMPRVMT	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.
78	WLFL7 BELMONDO 2020 REPAIR	Cedar	King County	\$269,910	\$391,800	\$121,890	\$1,546,469	\$18,000	\$0	\$0	\$0	\$0	\$1,564,469	\$1,956,269	Near Renton in unincorporated King County. Critical facilities (Utilities, CRT, SR 169). Regional impact extends. Potential human injury from sudden change in conditions. Generally exposed bank - damage likely to occur next major high-flow event.
79	WLFL7 BRODELL 2020 REPAIR	Cedar	King County		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Near Renton in unincorporated King County Residential land use and critical facilities (Utilities, CRT, SR 169). Regional impact extends. Potential human injury from sudden change in conditions. Damage may occur next flood season/likelihood increasing.
80	WLFL7 BYERS NEIGHBORHOOD IMPROVEMENTS	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.
81	WLFL7 CDR PRE-CONST STRTGC ACQ	Cedar	King County	\$5,275,660	\$8,330,532	\$3,054,872	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$12,000,000	\$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.
82	WLFL7 CEDAR CIS LONG TERM	Cedar	King County		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$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.
83	WLFL7 CEDAR CIS MED TERM	Cedar	King County		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$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.
84	WLFL7 CEDAR LEVEE SETBACK FEAS/CORRIDOR PL	Cedar	King County	\$1,853,360	\$1,853,360	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,853,360	Near Renton in unincorporated King County. This six-year flood risk reduction capital investment strategy will cover the Cedar River valley from Landsburg Road SE (River Mile 22) to Lake Washington. Project complete. Closeout in 2020.
85	WLFL7 CEDAR R DWNSTREAM 2024 IMPV	Cedar	King County		\$0	\$0	\$100,000	\$0	\$0	\$0	\$0	\$0	\$100,000	\$100,000	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.
86	WLFL7 CEDAR RES FLOOD MITIGATION	Cedar	King County	\$2,806,989	\$4,605,134	\$1,798,145	\$1,732,989	\$2,000,000	\$1,600,000	\$1,600,000	\$1,600,000	\$1,600,000	\$10,132,989	\$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.
87	WLFL7 CEDAR RVR GRAVEL REMOVAL	Cedar	Renton	\$10,544,625	\$12,835,100	\$2,290,475	(\$1,617,475)	\$500,000	\$500,000	\$0	\$0	\$0	(\$617,475)	\$12,217,625	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.
88	WLFL7 CITY OF RENTON LEVEE CERTIFICATION	Cedar	Renton	\$837,922	\$5,000,000	\$4,162,078	(\$3,312,078)	\$2,000,000	\$500,000	\$812,078	\$0	\$0	\$0	\$5,000,000	Renton. Levee improvements necessary to satisfy levee certification engineering recommendations.
89	WLFL7 CRT SITE 2 2020 REPAIR	Cedar	King County	\$1,234,169	\$1,233,000	(\$1,169)	\$1,169	\$0	\$0	\$0	\$0	\$0	\$1,169	\$1,234,169	Near Renton in unincorporated King County Complete. This emergency action will armor up to 300 feet river bank and construct a buried revetment to stabilize the bank and prevent further erosion to the most damaged portion. This emergency action and the subsequent extension are upstream of the CRT 2 revetment in an area referred to as "Zone B."
90	WLFL7 CRT SITE 5 2020 REPAIR	Cedar	King County	\$217,620	\$568,015	\$350,395	\$99,605	\$2,200,000	\$20,000	\$0	\$0	\$0	\$2,319,605	\$2,887,620	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.

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91	WLFL7 CRT SITE 5B 2020 REPAIR	Cedar	King County	\$309,477	\$320,000	\$10,523	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$320,000	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.
92	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.
93	WLFL7 DORRE DON AVULSION ANALYSIS	Cedar	King County	\$41,893	\$100,000	\$58,107	(\$58,107)	\$0	\$0	\$0	\$0	\$0	(\$58,107)	\$41,893	Near Renton in unincorporated King County. The main channel has avulsed into the previous left floodplain, leading to erosion of the channel bank, adjacent to 231st PI SE.
94	WLFL7 DORRE DON NBHOOD IMPRVMT	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.
95	WLFL7 HERZMAN LEVEE SETBACK	Cedar	King County	\$3,130,416	\$3,712,467	\$582,051	\$8,313,677	\$121,364	\$0	\$0	\$0	\$0	\$8,435,041	\$12,147,508	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.
96	WLFL7 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.
97	WLFL7 JAN ROAD LEVEE SETBACK	Cedar	King County	\$14,658,251	\$15,976,060	\$1,317,809	\$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.
98	WLFL7 LOWER CEDAR FEASIBILITY STUDY	Cedar	Renton	\$349,226	\$520,000	\$170,774	\$0	\$80,000	\$80,000	\$0	\$0	\$0	\$160,000	\$680,000	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.
99	WLFL7 LOWER JONES ROAD NEIGHBORHOOD	Cedar	King County	\$609,831	\$2,654,203	\$2,044,372	\$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.
99	WLFL7 MADSEN CR CULVERT 2017	Cedar	King County	\$3,248,485	\$3,326,000	\$77,515	\$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.
100	WLFL7 MADSEN CR RENTON	Cedar	Renton	\$597,161	\$635,000	\$37,839	\$347,680	\$0	\$0	\$0	\$0	\$0	\$347,680	\$982,680	Renton. Design and implement phase I improvements to Madsen Creek to achieve 100-year level flood protection for properties south of SR 169 and 25-year level flood protection for properties north of SR 169.
101	WLFL7 MAPLEWOOD FEASIBILITY 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.
102	WLFL7 PROGRESSIVE INVESTMENT RVTMNT	Cedar	King County			\$0	\$215,118	\$720,199	\$26,444	\$0	\$0	\$0	\$961,761	\$961,761	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.
102	WLFL7 RIVERBEND MHP ACQ	Cedar	King County	\$5,182,126	\$5,133,210	(\$48,916)	\$48,916	\$0	\$0	\$0	\$0	\$0	\$48,916	\$5,182,126	Near Renton in unincorporated King County. This project represents the Flood District contribution to a larger project that relocates mobile home park tenants and initiates preliminary engineering design for potential levee setback / realignment to reduce flood heights, velocities and channel migration risk in this reach. Disappropriate remainder after FCD portion of scope is complete.
103	WLFL7 SR 169 FLOOD REDUCTION	Cedar	King County	\$5,237,371	\$5,485,588	\$248,217	\$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.

No.	Title	Basin	Service Provider	2022 Inception to Date Expenditure	2023 Inception to Date Budget	2023 Available Budget	2024 Requested	2025 Forecasted	2026 Forecasted	2027 Forecasted	2028 Forecasted	2029 Forecasted	6-Year CIP Total	Project Life Total	Comments
104	WLFL7 TABOR-CROWALL-BRODELL 2020 REPAIR	Cedar	King County	\$340,696	\$1,974,453	\$1,633,757	\$744,302	\$4,568,179	\$70,662	\$0	\$0	\$0	\$5,383,143	\$7,357,596	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 along 200 feet - damage likely to occur next major high-flow event.
105	Cedar-Sammamish Subtotal			\$75,291,019	\$113,732,406	\$38,441,390	\$15,561,984	\$16,355,100	\$4,807,106	\$4,412,078	\$3,600,000	\$3,600,000	\$48,336,268	\$219,468,674	
106															
107															
108	WLFL8 BRISCOE LEVEE SETBACK	Green	Kent	\$21,376,494	\$23,330,271	\$1,953,777	\$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 JLA with Kent expires in 2018.
109	WLFL8 BRPS CONTROL BLDG RPLCMT	Green	King County	\$865,448	\$1,144,012	\$278,564	\$509,123	\$1,747,989	\$3,960,942	\$8,938,407	\$3,208,925	\$0	\$18,365,386	\$19,509,398	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.
110	WLFL8 BRPS FISH PASS IMPRVMENTS	Green	King County	\$1,459,848	\$3,589,122	\$2,129,274	\$4,239,899	\$13,863,796	\$39,983,187	\$71,113,669	\$15,906,811	\$0	\$145,107,362	\$148,696,484	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.
111	WLFL8 BRPS HIGH-USE ENGINES	Green	King County	\$8,478,711	\$12,740,727	\$4,262,016	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,740,727	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.
112	WLFL8 BRPS LARGE ENGINE REPLACEMENT	Green	King County		\$0	\$0	\$87,418	\$0	\$0	\$0	\$1,091,805	\$11,241,923	\$12,421,146	\$12,421,146	Renton. This project will design and replace the large engines and overhaul the large pumps at the Black River pump station.
113	WLFL8 BRPS SEISMIC UPGRADES	Green	King County	\$996,303	\$2,279,149	\$1,282,846	\$1,804,738	\$6,196,267	\$12,764,310	\$30,238,651	\$14,218,740	\$0	\$65,222,706	\$67,501,855	Renton. This project will strengthen and improve the structure and subsurface soils at the Black River Pump Station.
114	WLFL8 BRPS SUPPORT SYS UPGRADES	Green	King County	\$1,081,782	\$1,486,439	\$404,657	\$70,546	\$242,206	\$548,840	\$1,238,532	\$444,638	\$0	\$2,544,762	\$4,031,201	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.
115	WLFL8 COVINGTON CR BLACK DIAMOND	Green	Black Diamond	\$116,958	\$2,293,500	\$2,176,542	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,293,500	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.
116	WLFL8 DESIMONE MAJOR REPAIR USACE	Green	USACE	\$1,098,012	\$1,626,852	\$528,840	\$5,094,174	\$1,282,310	\$10,378,721	\$12,040,693	\$6,866,902	\$0	\$35,662,800	\$37,289,652	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.
117	WLFL8 DYKSTRA 2022 REPAIR	Green	King County		\$10,000	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000	Auburn: New flood damage repair project. Address scour and bank erosion and missing toe rock upstream of 2015 Corps of Engineers repair.
118	WLFL8 FORT DENT 2020 REPAIR	Green	King County	\$166,239	\$1,118,933	\$952,694	\$984,064	\$5,366,689	\$39,666	\$0	\$0	\$0	\$6,390,419	\$7,509,352	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.
119	WLFL8 FORT DENT US 2021 REPAIR	Green	King County	\$175,386	\$175,386	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$175,386	Tukwila. This project will repair a damaged section of the levee that was caused by a falling tree and susceptible to further scour and erosion.
120	WLFL8 GALLI-DYKSTRA 2020 REPAIR	Green	King County	\$1,318,716	\$1,656,680	\$337,964	\$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.
121	WLFL8 GREEN PRE-CONST ACQ	Green	King County	\$4,517,325	\$17,577,724	\$13,060,399	\$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.
122	WLFL8 GREEN R IMPROVEMENT 2024	Green	King County		\$0	\$0	\$100,000	\$0	\$0	\$0	\$0	\$0	\$100,000	\$100,000	Auburn. Improve SE Green Valley Road near SE Auburn Black Diamond Road and alleviate roadway flooding by raising the road through the application of a thick layer of overlay.
123	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.
124	WLFL8 HSB BRED A SETBACK KENT	Green	Kent	\$931,214	\$15,030,509	\$14,099,295	\$400,000	\$0	\$0	\$0	\$0	\$0	\$400,000	\$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.
125	WLFL8 HSB MCCOY REALIGNMENT USACE	Green	USACE	\$162,068	\$2,704,244	\$2,542,176	\$700,000	\$0	\$0	\$0	\$0	\$0	\$700,000	\$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.
126	WLFL8 KENT AIRPORT RVTMNT 2022 REPAIR	Green	King County	\$88,377	\$425,127	\$336,750	\$978,750	\$12,750	\$0	\$0	\$0	\$0	\$991,500	\$1,416,627	Kent: New flood damage repair project. Stabilize over steepened bank and rock revetment that has been undercut by rotational bank failure. This project was transferred to Julie's team
127	WLFL8 LONES LEVEE SETBACK	Green	King County	\$1,850,000	\$1,850,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,850,000	Auburn. Contribute the partial cost of a repair (\$500,000) to a \$5 million levee setback project. By relocating the levee, flood risks as well as future repair costs for the Flood Control District are reduced.

No.	Title	Basin	Service Provider	2022 Inception to Date Expenditure	2023 Inception to Date Budget	2023 Available Budget	2024 Requested	2025 Forecasted	2026 Forecasted	2027 Forecasted	2028 Forecasted	2029 Forecasted	6-Year CIP Total	Project Life Total	Comments
128	WLFL8 LOWER RUSSELL ACQ KENT	Green	Kent	\$1,023,656	\$1,123,668	\$100,012	(\$100,012)	\$0	\$0	\$0	\$0	\$0	(\$100,012)	\$1,023,656	Kent. Acquisitions by the City of Kent for the Lower Russell levee setback project.
129	WLFL8 LWR GRN R CORRIDOR PLAN/EIS	Green	King County	\$681,217	\$748,519	\$67,302	\$0	\$5,000	\$0	\$0	\$0	\$0	\$5,000	\$753,519	Auburn, Kent, Renton, Tukwila. Lower Green River Corridor Planning and Environmental Impact Statement.
130	WLFL8 LWR RUSSELL LEVEE SETBACK	Green	King County	\$54,958,542	\$57,965,925	\$3,007,383	\$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.
131	WLFL8 MILWAUKEE LEVEE #2-KENT	Green	Kent	\$2,249,325	\$19,400,000	\$17,150,675	\$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.
132	WLFL8 O'CONNELL REVETMENT 2021 REPAIR	Green	King County	\$195,253	\$632,006	\$436,753	\$164,800	\$1,025,095	\$22,947	\$0	\$0	\$0	\$1,212,842	\$1,844,848	Kent. Stabilize the O'Connell revetment slope, and move or replace the road shoulder and guardrail.
133	WLFL8 OLD JEFFS FARM REVETMENT	Green	King County	\$304,868	\$304,868	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$304,868	Auburn. This project will conduct a feasibility analysis of channel migration hazards from river mile 21.1 to 21.7. Alternative selection is pending; alternative 1 is assumed as a placeholder.
134	WLFL8 RUSSELL RD UPPER KENT	Green	Kent	\$6,065,056	\$6,082,173	\$17,117	(\$17,117)	\$0	\$0	\$0	\$0	\$0	(\$17,117)	\$6,065,056	Kent. Project is to improve the levee by providing a minimum of 3 feet of freeboard above the predicted 500-year flood event and improve slope stability. These segments of the Russell Road Upper Levee have over-steepened slopes and therefore lack adequate structural stability to provide adequate safety.
135	WLFL8 S 106TH ST DRAINAGE IMPVMNT	Green	King County	\$440,266	\$451,000	\$10,734	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$451,000	Burien. Replace an existing damaged and undersized pipe that runs under eleven properties to prevent stormwater flooding.
136	WLFL8 SIGNATURE PT REVETMENT KENT	Green	Kent	\$1,527,287	\$18,305,164	\$16,777,877	\$5,650,000	\$23,195,000	\$9,595,255	\$0	\$0	\$0	\$38,440,255	\$56,745,419	Kent. Project provides increased level of protection to 1.5 miles of Lower Green River Corridor. Alternative selected by Executive Committee.
137	WLFL8 TUK-205 GUNTER FLOODWALL	Green	King County	\$1,300,074	\$8,546,716	\$7,246,642	\$2,909,586	\$2,047,500	\$4,432,790	\$26,355,345	\$61,500	\$0	\$35,806,721	\$44,353,437	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.
138	WLFL8 TUK-205 RATOLO FLOODWALL	Green	King County		\$50,000	\$50,000	\$300,000	\$1,400,000	\$50,000	\$0	\$0	\$0	\$1,750,000	\$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.
139	WLFL8 TUK-205 USACE GACO-SEGALE	Green	USACE	\$969,950	\$1,069,950	\$100,000	\$195,466	\$629,220	\$5,138,549	\$29,504	\$0	\$0	\$5,992,739	\$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.
140	WLFL8 TUKWILA RVTMT 2019 REPAIR	Green	King County	\$450,624	\$450,624	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$450,624	Tukwila. Complete. Erosion and slumping of Tukwila Trail revetment caused by the recent Green River flood resulted in approximately 200 feet of damage to the revetment.
141	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.
142	WLFLS S PARK DRAINAGE IMPROVEMENTS	Seattle	Seattle	\$16,486,341	\$17,105,000	\$618,659	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,105,000	Seattle. The South Park Drainage Conveyance Improvements Project will install a formal conveyance system in the streets, to get flows to the pump station. The conveyance improvements will work in conjunction with the Pump Station.
143	WLFLS SOUTH PARK PUMPSTATION	Seattle	Seattle	\$6,504,454	\$6,505,000	\$546	(\$546)	\$0	\$0	\$0	\$0	\$0	(\$546)	\$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.
144	Green-Duwamish Subtotal			\$139,460,844	\$229,729,288	\$90,268,441	\$24,070,889	\$62,013,822	\$91,915,208	\$154,954,800	\$46,799,321	\$16,241,923	\$395,995,964	\$625,725,252	
145															
146															
147	WLFL9 212TH AVE SE @ SR 164 FLD IMPRMNT	White	King County		\$0	\$0	\$0	\$190,000	\$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.
148	WLFL9 212TH AVE SE MITIGATION	White	King County		\$65,000	\$65,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$65,000	Enumclaw. TBD
149	WLFL9 ANDERSON PARK ACQUISITION	White	King County		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Pierce County. Park is split by the White River; acquire undevelopable and inaccessible southern portion of park in Pierce County from the City of Enumclaw.
150	WLFL9 CHARLIE JONES DS CULVERT	White	King County		\$600,000	\$600,000	\$1,000,000	\$50,000	\$0	\$0	\$0	\$0	\$1,050,000	\$1,650,000	Auburn. This project will analyze culvert replacement and road-raising options and implement the preferred option.
151	WLFL9 CHARLIE JONES US CULVERT	White	King County		\$935,852	\$982,852	\$47,000	\$10,000	\$0	\$0	\$0	\$0	\$10,000	\$992,852	Auburn. This project will analyze culvert replacement and road-raising options and implement the preferred option.
152	WLFL9 A STREET HESCOS	White	King County	\$83,935	\$420,000	\$336,065	\$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.
153	WLFL9 WHITE RIVER CIS	White	King County		\$0	\$0	\$150,000	\$300,000	\$1,000,000	\$0	\$0	\$0	\$1,450,000	\$1,450,000	Pacific. Identify and prioritize near-, mid-, and long-term capital projects for Flood Control District funding along the White River.
154	WLFL9 COUNTYLINE TO A STREET	White	King County	\$23,896,323	\$23,926,129	\$29,806	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$23,926,129	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.
155	WLFL9 RIGHT BANK LEVEE SETBACK	White	King County	\$15,696,118	\$17,196,118	\$1,500,000	\$5,256,812	\$3,858,388	\$2,214,247	\$2,280,675	\$0	\$0	\$13,610,122	\$30,806,240	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.

No.	Title	Basin	Service Provider	2022 Inception to Date Expenditure	2023 Inception to Date Budget	2023 Available Budget	2024 Requested	2025 Forecasted	2026 Forecasted	2027 Forecasted	2028 Forecasted	2029 Forecasted	6-Year CIP Total	Project Life Total	Comments
156	WLFL9 SLIPPERY CREEK ACQ	White	King County	\$116,261	\$171,261	\$55,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$171,261	Near Greenwater. In mid-2018 budget reallocation, funding was authorized to acquire a vacant property located outside flood hazard area on the north side of Highway 410. Subsequent site visits identified multiple unpermitted structures and a well; additional funding necessary to complete demolition and asbestos abatement at a remote and inaccessible location. Complete.
157	WLFL9 STUCK R DR 2019 REPAIR	White	King County	\$754,972	\$820,294	\$65,322	(\$65,322)	\$0	\$0	\$0	\$0	\$0	(\$65,322)	\$754,972	Auburn. Loss of facing rock along 130' of the lower half of the embankment. Some of the gravel fill under the rock has eroded as well, leaving a near-vertical face supporting the rock remaining on the upper slope. The rock that slid down is currently providing scour protection at the toe.
158	WLFL9 STUCK R DR FLOOD PROTECTION	White	King County		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$1,000,000	\$1,000,000	Auburn. TBD
159	White Subtotal			\$41,483,461	\$44,181,654	\$2,698,193	\$6,351,490	\$4,398,388	\$3,214,247	\$2,280,675	\$0	\$1,000,000	\$17,244,800	\$61,426,454	
160															
161															
162	WLFLG FLOOD REDUCTION GRANTS	Countywide	Grant	\$21,706,780	\$60,776,690	\$39,069,910	\$13,415,191	\$13,828,441	\$14,204,508	\$14,580,136	\$14,977,663	\$15,370,146	\$86,376,085	\$147,152,775	Competitive grant program for flood reduction projects. Increases as a proportion of total FCD tax revenue.
163	WLFLG WRIA GRANTS	Countywide	Grant	\$43,104,253	\$72,432,272	\$29,328,019	\$11,304,607	\$11,652,841	\$11,969,742	\$12,286,273	\$12,621,258	\$12,951,993	\$72,786,714	\$145,218,986	Cooperative Watershed Management Grant Program; priorities recommended by watershed groups. Increase based on assumed inflation rate.
164	WLFLM EFFECTIVENESS MONITORING	Countywide	King County	\$5,348,254	\$6,517,010	\$1,168,756	\$819,080	\$903,780	\$588,180	\$600,280	\$520,730	\$527,350	\$3,959,400	\$10,476,410	Evaluation of capital projects to determine effectiveness and identify project design improvements.
165	WLFLS SUBREGNL OPPRTNTY FUND	Countywide	Grant	\$54,330,513	\$79,412,324	\$25,081,811	\$6,023,427	\$6,095,244	\$6,166,947	\$6,238,700	\$6,309,405	\$6,381,180	\$37,214,903	\$116,627,227	Allocation to all King County jurisdictions for flooding, water quality, or watershed management projects. Increases as a proportion of total FCD tax revenue.
166	WLFLX CENTRAL CHARGES	Countywide	King County	\$1,427,644	\$1,727,644	\$300,000	\$300,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,300,000	\$3,027,644	Central charges related to the FCD's capital fund.
167	WLFLX CONST MATERIALS 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.
168	WLFLX COUNTYWIDE STRATEGIC ACQUISITIONS	Countywide	King County		\$2,000,000	\$2,000,000	\$2,000,000	\$0	\$0	\$0	\$0	\$0	\$2,000,000	\$4,000,000	TBD
169	WLFLX FLOOD WARNING CTR UPGRADES	Countywide	King County		\$1,500,000	\$1,500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,500,000	Replace existing IT systems that are outdated and at risk for failure.
170	WLFLX FLOOD EMERGENCY CONTGNCY	Countywide	King County	\$419,042	\$1,419,042	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,419,042	Contingency for emergency response actions during a flood event.
171	Countywide Subtotal			\$126,486,477	\$225,934,974	\$99,448,496	\$33,862,305	\$32,680,306	\$33,129,377	\$33,905,389	\$34,629,056	\$35,430,669	\$203,637,102	\$429,572,076	
172															
173	Grand Total			\$452,040,303	\$716,741,654	\$264,701,352	\$108,412,275	\$130,721,349	\$160,753,921	\$211,768,305	\$97,262,660	\$60,527,592	\$769,446,103	\$1,732,937,757	

King County Flood Control District

Flood Program Financial Plan: 2024 Budget and 6-Year CIP

6/30/2023

	2022 Actual	2023 Adopted	2023 Revised	2024 Projected	2025 Projected	2026 Projected	2027 Projected	2028 Projected	2029 Projected
Beginning Balance	65,577,634	53,590,088	35,994,288	26,939,181	10,021,830	(15,192,564)	(49,595,218)	(93,281,370)	(138,383,399)
Revenue									
Flood District									
Flood District Levy ¹	58,460,577	58,880,026	58,291,226	58,946,531	59,611,418	60,325,518	61,055,985	61,801,923	62,564,341
Interest Earnings ²	735,782	519,771	403,856	302,258	112,445	(170,461)	(556,459)	(1,046,618)	(1,552,663)
Miscellaneous Revenue ³	305,291	250,000	250,000	250,000	250,000	250,000	250,000	250,000	270,000
King County									
Grants ⁴	4,151,639	0	3,000,000	0	0	0	0	0	0
Miscellaneous Revenue ⁵	40,353	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000
Total Revenue	63,693,643	59,464,890	61,975,082	59,528,789	60,003,863	60,435,058	60,779,526	61,035,306	61,311,678
Expenditure									
District Administration ⁶	(2,679,165)	(2,488,637)	(2,488,637)	(2,488,637)	(2,563,296)	(2,563,296)	(2,640,195)	(2,640,195)	(2,719,401)
Operating Expenditure	(12,745,396)	(15,808,156)	(16,062,156)	(15,808,156)	(16,282,400)	(16,770,872)	(17,273,998)	(17,792,218)	(18,325,985)
Capital Expenditure ⁷	(77,852,428)	(47,656,893)	(52,479,396)	(58,149,347)	(66,372,561)	(75,503,544)	(84,551,485)	(85,704,921)	(90,721,498)
Total Expenditure	(93,276,989)	(65,953,686)	(71,030,189)	(76,446,140)	(85,218,257)	(94,837,712)	(104,465,678)	(106,137,334)	(111,766,883)
Ending Fund Balance (Cash)	35,994,288	47,101,292	26,939,181	10,021,830	(15,192,564)	(49,595,218)	(93,281,370)	(138,383,399)	(188,838,604)
<i>Target Fund Balance</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
<i>Budgetary Carryover Reserves</i>	<i>(259,265,534)</i>	<i>(253,850,899)</i>	<i>(212,270,871)</i>	<i>(262,318,680)</i>	<i>(325,947,270)</i>	<i>(411,171,203)</i>	<i>(538,388,023)</i>	<i>(549,945,762)</i>	<i>(519,751,857)</i>
Ending Budgetary Fund Balance ⁸	(223,271,246)	(235,121,485)	(185,331,690)	(252,296,850)	(341,139,833)	(460,766,421)	(631,669,393)	(688,329,161)	(708,590,461)

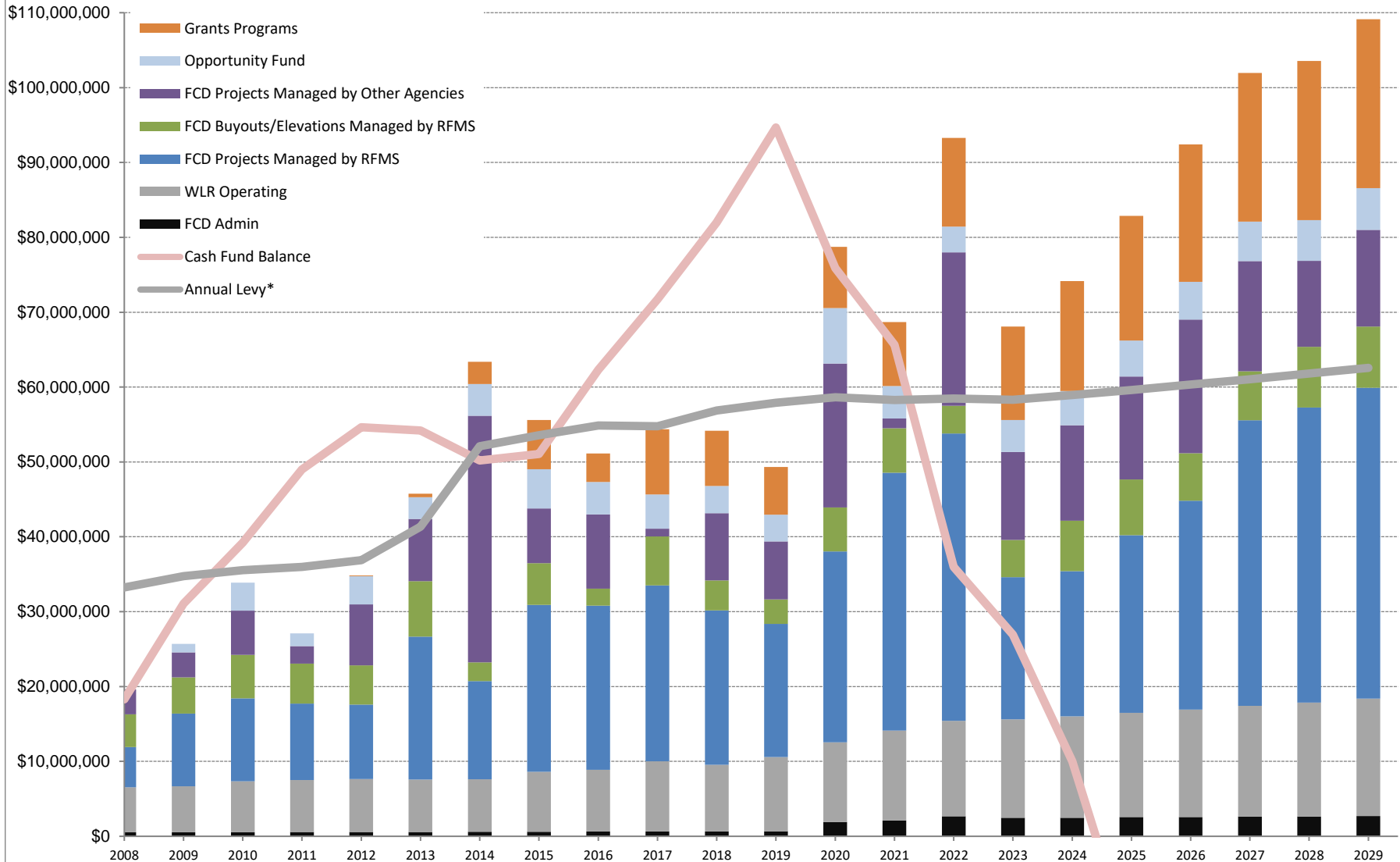
Flood Program Financial Plan: 2024 Budget and 6-Year CIP

Notes:

- ¹ Property tax forecast provided by the Office of Economic and Financial Analysis in March 2022, less undercollection assumption of 1%.
- ² Future interest earnings approximated using the ration of prior year interest to prior year fund ending fund balance.
- ³ District miscellaneous revenue due to multiple sources such as state forest sales, private timber harvest tax, unrealized investments, leashold excise taxes, and immaterial corrections from prior years.
- ⁴ Grant revenue is assumed only for grants that have been awarded or where an award is likely and imminent.
- ⁵ Miscellaneous revenue due to multiple sources such as state forest sales, private timber harvest tax, rent from tenants of acquired real estate, and immaterial corrections from prior years.
- ⁶ Costs based on contract established under FCD 2008-07 for District executive services, and inflated at 3% in succeeding years.
- ⁷ In general, construction projects assume inflationary increases of 3% per year.
- ⁸ The budgetary fund balance assumes 100% expenditure of all budgeted amounts and is used to understand the District's total budgetary commitment.

DRAFT: Actual and Forecasted Flood District Expenditures by Type

June 30, 2023



*Annual levy assumes an increase for new construction only in 2021-2027; no 1% increase. See the financial plan for negative cash balances in 2026-2027.