

# King County Flood Control District Annual 2020 Performance Report

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April 2021



**King County**

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## II. Flood Control District Resolution 2015-16 Text

This annual report is required by an Interlocal Agreement between King County and the King County Flood Control District. The entire text can be found in Appendix A, with relevant language below:

“11. The County shall submit financial and performance reports to the District by April 30 and October 31 of each year, outlining and summarizing implementation of the annual work program, in a form and general content approved by the District Executive Director. The reports shall generally reflect County budgetary practices and BARS (Washington State Auditor’s Office Budgeting, Accounting, and Reporting System) requirements.”

[FCD Resolution 2015-16.2, Attachment A](#), Section 11, p.10

## III. Executive Summary

This report provides the King County Flood Control District’s (District) Board of Supervisors with the status of work completed by the River and Floodplain Management Section (RFMS) of the Water and Land Resources Division (WLRD) of the Department of Natural Resources and Parks (DNRP), as Service Provider to the District during 2020 and the first quarter of 2021.

The report details accomplishments and progress occurring during the reporting period within the five RFMS core program areas:

- **Structural Protection:** Initiated construction on six capital projects and completed construction on five projects.
- **Hazard Identification and Mitigation:** Initiated Channel Migration Zone studies for the Greenwater and Lower Snoqualmie rivers and completed the contracting process for the Levee Breach Analysis.
- **Asset Management:** Inspected all 511 facilities within the RFMS River Facility Inventory in a single year. This effort also included post-flood inspections following the February 2020 Presidential Major Disaster Declaration that enabled access to potential federal funding for emergency response efforts and facility repairs.
- **Flood Warning Program:** Updated flood warning operations to ensure program continuity and safety during the COVID-19 pandemic. The program has responded to five minor and moderate flood events this flood season.
- **Risk Reduction through Partnerships:** Cities and other regional partners continue to make progress on engineering design, permitting, acquisition, and construction for contracted flood protection capital improvement projects and projects supported with District grant funding.

Following a destructive 2019-2020 flood season, WLRD succeeded in making strong progress in each of its core program areas despite new operational challenges posed by the global pandemic, including new and changing safety requirements for facility inspection, construction, and field work and transition for many staff to teleworking. Notably, 2020 was a record year for capital project design and construction resulting in increased delivery of flood risk reduction services to the public.

Appendices providing 2020 Budget, 2020 Expenditures, and the District’s 2021 Adopted Budget are attached.

## IV. Background

**Department Overview:** The Department of Natural Resources and Parks (DNRP) works in support of sustainable and livable communities and a clean and healthy natural environment. Its mission is to foster environmental stewardship and strengthen communities by providing regional parks, protecting the region’s water, air, land, and natural habitats, and reducing, safely disposing of, and creating resources from wastewater and solid waste.

**Division Overview:** The Water and Land Resources Division (WLRD) has a biennial budget of roughly \$300 million that supports the work of nearly 400 staff. WLRD manages stormwater for unincorporated areas, supports three salmon recovery forums, acquires open space, restores salmon habitat, monitors water quality, controls noxious weeds, and provides economic and technical support for forestry and agriculture. As service provider to the Flood Control District (District), WLRD reduces flood risks and restores rivers and floodplains. In addition, WLRD operates the County’s Environmental Lab and Science sections, which provide environmental monitoring, data analysis, and management and modeling services to partners, jurisdictions, and residents throughout the region. The King County Hazardous Waste Management Program – a collaborative effort between the County and its municipalities – is also part of WLRD.

**Historical Context:** The Metropolitan King County Council created the District in 2007 as a special purpose government, providing funding and policy oversight for flood hazard reduction projects and programs in King County. WLRD is the main service provider to the District consistent with an Interlocal Agreement between King County and the District.

**Current Context:** WLRD’s work program for the District is comprised of five core program areas. This report provides the District’s Board of Supervisors with the status of work completed from January 2020 through March 2021 for each core program area:

- Structural Protection – *Reducing flood risks through physical changes to riverine function.*
- Hazard Identification and Mitigation – *Identifying risks and removing people from harm.*
- Asset Management – *Protecting public investments in flood risk reduction facilities and properties.*
- Flood Warning Program – *Distributing information about flood conditions and self-protection methods.*
- Risk Reduction Through Partnership – *Supporting regional partners to reduce risk.*

**Report Methodology:** The annual report was developed by WLRD staff. Data was gathered from program leads and subject matter experts to provide an update on the District’s adopted work program. The report leverages information from quarterly deliverable reports and monthly facility inspection updates.

## V. Report Requirements

The Interlocal Agreement (ILA) between the District and King County requires the County to submit a financial and performance report to the District by April 30 and October 31 of each year. The report outlines and summarizes flood risk reduction activities in the District's adopted annual work program. The report is organized to reflect the five core work program areas described above, with highlights of completed milestones and the status of on-going work. The budgetary and financial reports included in the appendices reflect County budgetary practices, as well as the State Auditor's Office Budget, Accounting, and Reporting System (BARS) requirements.

### A. Structural Protection

Despite unforeseen changes due to the COVID-19 pandemic, 2020 was a record year for flood risk reduction capital project design and construction service delivery. In collaboration with the District, the County has also made progress in reducing capital budget carryovers for County-managed projects through improvements in budget forecasting and expenditure management. WLRD spent a record \$27 million on capital projects in 2020, including construction of six capital projects. This was the highest spending on capital projects by WLRD since the District was formed in 2008 and exceeded the previous record in 2017 by \$4 million. As a result of increased capital spending by WLRD, as well as increased capital spending by cities and the [Opportunity Fund](#), the District succeeded in reducing the fund balance by \$17 million, from \$95 million in 2019 to \$78 million in 2020.

This higher spending reflects increased delivery of flood risk reduction services to the public. As intended, greater capital project delivery capacity enabled WLRD to respond to the February 2020 flood disaster and the resulting repairs while keeping larger capital construction projects on schedule. Following the emergence of COVID-19, WLRD staff rapidly amended contracts to include revised health and safety plans so that six projects could begin construction in the summer of 2020, as planned.

Below are highlights of the progress made on structural protection projects identified in the District's 2020-2025 capital investment program to reduce flood risk through improvements to levees and revetments:

2020 Capital Project Development and Implementation Activities

<b>Project Name and Location</b>	<b>Action</b>	<b>Purpose</b>	<b>Cost Estimate<sup>1</sup></b>
Lower Russell Setback Levee and Floodwall, Kent, Green River	2020 Construction (Phases 1 and 2)	Completed Phase 1 construction of floodwall and relocation of water main in the third quarter of 2020. The project reduces flood risks to commercial and residential properties in the City of Kent.  Initiated Phase 2 construction of the new setback levee in July 2020. Construction is scheduled for completion in 2022.	\$54 million
Cedar River Trail 2 Revetment 2020 Repair	2020 Construction	Completed an emergency repair in February 2020 following the flood disaster and subsequent project charter approval; additional construction completed in fourth quarter of 2020. The project protects SR 169, the Cedar River Trail, and a fiber optic line.	\$1.2 million
Stossel Revetment Repair Mitigation, Snoqualmie River	2020 Construction	Completed large wood installation and riparian plantings required as mitigation for previously constructed flood damage repairs. Transmitted a charter for the Stossel Long Term Repair project in January 2021.	\$1.1 million
Shake Mill Right Bank, North Fork Snoqualmie River	2020 Construction	Completed revetment repair to protect 428th Ave. S.E. and North Fork Bridge.	\$600,000
Stuck River Revetment Repair, White River	2020 Construction	Repaired a damaged revetment to protect critical public infrastructure; completed construction in the fourth quarter of 2020. Mitigation for the project will be completed in 2021.	\$606,000
Tukwila, Green River	2020 Construction	Following the February 2020 flood disaster, repaired revetment to protect the Green River Trail.	\$320,000

<sup>1</sup> Cost estimates include planning, design, real estate, permitting, construction, post-project maintenance and monitoring, and contingency.

Black River Pump Station, Renton, Green River	2021 Construction (High Use Engines)	Design and procurement issues delayed construction of high-use engines, which manage water levels and prevent flooding in the City of Renton during normal conditions, until first quarter of 2021. The pump station reduces flood risk in the City of Renton and evacuates floodwaters should levees overtop during a flood event. Full operational capacity of the pump station is necessary for local communities to certify levees for flood insurance mapping purposes.	\$9.7 million
Timberlane Village, South Fork Skykomish River	Engineering design and permitting	Completed design and permitting of revetment repair to protect residential area in the second quarter of 2020. Permit issues shifted construction to 2021.	\$600,000
Reinig Road Revetment Repair (bank stabilization), City of Snoqualmie, Snoqualmie River	Engineering design and permitting	Completed 90% design for revetment repair to protect Canyon Springs water main, Puget Sound Energy transmission line, and Reinig Road. Construction scheduled for 2021.	\$6.3 million
Galli/Dykstra Revetment, Tukwila, Green River	Engineering design and permitting	Project to raise approximately 2,000 feet of the Dykstra revetment to provide uniform design containment for the City of Tukwila. Construction is scheduled for 2021. WLRD transmitted the 30% design to the District in February 2021.	\$770,000
Herzman to Camp Freeman Project, Cedar River, Cedar River	Engineering design and permitting	Will conduct engineering design and acquire property necessary for the construction of the Herzman Levee setback. <sup>2</sup> The project will protect SR 169, a regional trail, and a regional fiber optic line. The project is now combined with repairs to Camp Freeman and Buck's Curve facilities. Construction is scheduled for 2023. WLRD will transmit an alternatives analysis to the District in the second quarter of 2021.	\$6.5 million

<sup>2</sup> A setback project moves the levee back from the edge of the river to create more space for flood water in the river channel.

Jan Road Levee, Cedar River	Engineering design and permitting	The project provides salmon habitat mitigation following large wood removal to address hazards to public safety and infrastructure on the Cedar River in 2017. An online open house was held in May 2020. Construction is anticipated in 2022.	\$10 million
Old Jeffs Farm, Green River	Engineering design and permitting	Completed initial design to protect agricultural buildings and land from channel migration. Project on hold pending decision from the District.	\$4.2 million
Pacific Right Bank Levee, Pacific, White River	Planning	Evaluation of environmental impact to support design development of a new Pacific Right Bank levee to increase flood protection for the City of Pacific in 2022. A draft environmental impact statement is scheduled for late 2021.	\$31.3 million
Level of Service Analysis, Tolt River	Planning	Provided the District a comprehensive level of service recommendation for the Lower Tolt River levee system that provides increased flood risk reduction benefits to guide future facility designs and inform sequencing. Completed in fourth quarter of 2020.	\$975,000
Maplewood Feasibility Study, Cedar River	Planning	Transmitted flood-landslide scenario risk analysis report in February 2021.	\$500,000
Cedar River Trail Site A, Cedar River	Planning	Completed hazard assessment and risk analysis in October 2020; transmitted recommendations in December 2020.	\$210,000
Holberg Feasibility, Tolt River	Planning	Provided feasibility study to the District in the second quarter of 2020; further briefing planned for the second quarter of 2021.	\$400,000
Circle River Ranch, Snoqualmie River	Planning	Provided potential alternatives to District in second quarter of 2020; alternatives analysis scheduled to be transmitted in third quarter of 2021.	\$4.3 million

## B. Hazard Identification and Mitigation

As part of the work program, WLRD has made progress in identifying hazard risks and removing people from potential harm. The summary below describes technical analyses conducted during 2020 and the first quarter of 2021, along with an update on home elevations and buyouts.

### **Channel Migration Zone Mapping: Studying river movement across floodplains**

In 2020, WLRD initiated technical work for two new Channel Migration Zone (CMZ) studies and maps for the Greenwater and Lower Snoqualmie rivers. The maps identify areas where the rivers have the potential to move laterally across their floodplain, which can undermine homes, roads, and infrastructure, wash away property, and threaten lives. Preparation of CMZ studies and maps is required under the Washington State Shoreline Management Program ([WAC 173-26-221](#)). The maps help reduce risk to the public by serving as the basis for regulating land use in CMZ hazard areas within unincorporated King County.

Studies of each river included information from historical and present conditions, field observations, existing studies, Light Detection and Ranging (LiDAR), and analyses in a Geographic Information System (GIS).<sup>3</sup> WLRD has planned a public meeting to review the draft Greenwater River CMZ study and map in the second quarter of 2021, with the maps becoming effective in the fourth quarter of 2021. The Lower Snoqualmie River CMZ study will focus on further field work and technical analyses through 2021, with a public meeting planned for 2022.

In 2020, the District authorized WLRD to initiate work on updating CMZ information for Issaquah Creek. WLRD will prepare a work program description in 2021 to describe the study effort and initiate field work in the summer.

### **Flood Hazard Studies and Mapping**

In fall 2019, the District authorized WLRD to initiate work on updated floodplain analyses for six small creeks and the South Fork Skykomish River. Current data used to map hazards in these areas is 25 to 40 years old; new flood studies will produce more accurate and detailed floodplain maps based on current topography and engineering methods. The Federal Emergency Management Agency (FEMA) will also use the new study and mapping to update Flood Insurance Rate Maps.

WLRD completed technical analyses and field data collection for the South Fork Skykomish River in 2020 and anticipates holding a public meeting to present the draft flood hazard boundary mapping in the second quarter of 2021. WLRD initiated data collection on Newaukum Creek in 2020. Data collection will be complete in early 2021, followed by a public meeting to present the draft flood hazard boundary mapping in the third quarter of 2021. The public meeting process includes a public comment period to gather input from area residents. WLRD is scheduled to initiate studies of Jenkins, Little Soos, Seidel, and Covington creeks in 2021 and complete them in the second quarter of 2022. The Boise Creek study is on hold pending further direction from the District.

In 2020, the District directed WLRD to update flood hazard information for Issaquah Creek. In 2021, WLRD will prepare a work program description to describe the study effort before retaining a consultant to conduct the flood study.

### **Levee Breach Analysis**

Following the recommendations of the 2019 [Levee Breach Analysis for King County Rivers](#) Report, in 2020 WLRD began an effort to conduct a levee breach analysis mapping and risk assessment study along

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<sup>3</sup> LiDAR is a method for measuring distances by illuminating the target with laser light and measuring the reflection with a sensor. Differences in laser return times and wavelengths can then be used to make digital 3-D representations of the target. LiDAR has terrestrial, airborne, and mobile applications.

six river levee containment systems. In the third quarter of 2020, WLRD awarded a consultant contract for engineering consulting services. Later that quarter the District revised the contract to remove the Green River study area. WLRD completed the contracting process in January 2021, and in February consultant work began on detailed technical analyses and risk assessment of levee breaches in the five study areas. WLRD will first begin field investigations in the Raging River study area in the spring of 2021 and expects to complete technical analyses by the fourth quarter of 2021. Staff anticipate finalizing a risk assessment of potential levee breaches for the Raging River in 2022. WLRD will initiate data collection and technical analyses for the Tolt and South Fork Snoqualmie study areas in 2022.

### **Climate Change and Future Flooding Analysis**

Since 2018, WLRD has been working with the Climate Impacts Group at the University of Washington (UW) to evaluate how projected changes in rain and snowfall patterns could impact future river flooding. In November 2020, the UW published [Projecting Future High Flows on King County Rivers: Phase 2](#), which the District authorized in August 2019. The research suggests that flood flow frequency in unregulated rivers—the Snoqualmie, South Fork Skykomish, and the Green River above the Howard Hanson Dam—will increase over this century. UW will need to do additional research to evaluate whether the Howard Hanson Dam can manage flood risk associated with potentially higher flows. The District may choose to authorize a third research effort to expand the analysis to include the Cedar and White rivers.

### **Reducing Flood Risks through Home Elevations and Buyouts**

Home elevation assists property owners with the costs of raising the finished floor of a home above the 100-year flood elevation, substantially reducing the threat of future damage. This improvement allows residents to remain on the property and preserves existing local housing and neighborhoods. Elevation projects are most appropriate in areas that experience slower moving floodwaters that cause temporary inundation but are not forceful enough to cause structural damage. In 2020, the District's home elevation program reimbursed landowners for 90 to 95 percent of the costs of elevating their homes. Homeowners manage the elevation projects, performed by private contractors. During the reporting period, WLRD completed one home elevation with financial support from the District; six elevations are currently active.

Home buyouts involve the voluntary sale of flood-prone properties and structures to King County. This is an appropriate strategy in areas of deep, fast-moving water or areas threatened by serious bank erosion. Buyouts provide a permanent solution to the risks and damages of repetitive flooding, and significantly reduce the public costs associated with county, state, and federal agencies' emergency response actions. Buyouts also offer the added benefits of providing additional storage and passage of flood water. During the reporting period, WLRD acquired ten acres of property for \$3.6 million to permanently reduce flood risk to residents and residential structures. In many cases, acquisition of this real estate is necessary for the District to complete planned capital construction projects to rebuild or set back levees.

### **C. Flood Warning Program**

In 2020, WLRD made significant changes to ensure continuity of operations by the King County Flood Warning Center (FWC) and the safety of employees due to the COVID-19 pandemic. This included co-locating the FWC, which had been operating out of King Street Center in downtown Seattle, to the King County Emergency Management (KCEM) building in Renton in October 2020. The County also relocated Flood Patrol vehicles to the KCEM parking lot, allowing staff to base operations from the new FWC

location. In addition to supporting social distancing for County employees staffing the FWC, this collocation strengthens coordination with KCEM at a more central location.

To prepare for the 2020-2021 Flood Season, WLRD staff developed processes, procedures, and documentation; provided testing and training for staff to deliver FWC services from any location; and implemented recommendations identified in the [2019-2020 Flood Season Report](#). WLRD established the following protocols for operation of the FWC:

- Operate remotely during minor flood events, or when no more than one river exceeds Phase 3 or is forecast to exceed Phase 3, and staff can work remotely with reliable power, internet connectivity, and computer functionality.
- Operate at the KCEM building during moderate to major flood events using social distancing best practices for employee safety.

WLRD also developed new procedures and tools for Flood Patrol staff, including allowing only one staff member per vehicle and using new software for mapping and reporting inspections. Dispersed staff have used Microsoft Teams (MS Teams) to coordinate in a central, online space. The FWC now uses MS Teams for internal communication, scheduling, locating resources, accessing documentation, and sharing critical information.

Following the 2019-2020 flood events, WLRD evaluated the flood phase thresholds and descriptions to assess the flood impacts on rivers at a variety of flow levels. While the existing flood phase thresholds were determined to be appropriate, WLRD updated several of the descriptions used on web pages and printed outreach materials, including the District's annual "Be Flood Ready" brochure.

### **2020-2021 Flood Season Response**

Minor flooding first occurred this flood season on November 4, 2020 and again the following day. Another minor flood occurred on January 3, 2021. Staff successfully opened and operated the FWC remotely during these flood events. Later in January, forecasts for the next flood indicated Phase 3 conditions on the Snoqualmie and Tolt rivers. This provided an opportunity for staff to open the FWC and operate Flood Patrols from the KCEM building on January 12 and 13, 2021. That flood event resulted in no reported damage and only the Snoqualmie River entered Phase 3, but it proved to be a useful test of the new FWC location. The FWC opened remotely after another minor flood occurred on February 22, 2021. Despite operating the FWC remotely and from a new physical location, the functions of gathering, analyzing, and distributing flood warning information have remained consistent during the five floods that occurred this season.

As the current flood season comes to an end, WLRD will revisit recommendations from the 2019-2020 Flood Season Report to determine which are feasible to implement to potentially improve the program's performance. The Flood Warning application ("App") failed to operate for several hours during the January 12, 2021 flood event. Restarting the server application fixed the problem but highlighted the fragility of the system. WLRD will need to do additional work to determine whether more reliability could be obtained through developing a software update or a watcher application that notifies staff when a problem arises.

### **Damage Reimbursement from 2019-2020 Flood Season**

On April 23, 2020, a Presidential Major Disaster Declaration was issued for King County and 14 other counties in Washington. This is the 13th time King County has received a Presidential Major Disaster

Declaration related to flooding since 1990. The declaration includes Public Assistance Program funding to support disaster response activities, including debris removal, emergency protective measures, and permanent repair or replacement of disaster-damaged revetments.

Following that flooding event, post-flood inspection teams documented 136 problem sites for further evaluation. The District's flood risk policies from the [2006 Flood Hazard Management Plan](#) and the flood risk criteria from the [2013 Flood Hazard Management Plan Update](#) were used to evaluate the public safety risk at each problem site. River basin teams screened each site to evaluate urgency, severity, and consequences, as well as to make an initial assessment of the most appropriate response. WLRD convened multi-disciplinary workshops that included engineers and geologists to ensure a clear and consistent understanding of the problem site and application of the criteria, and to identify the most appropriate category for post-flood response actions. At the request of the District, the results were documented in the 2019-2020 Flood Season Report and included a recommended flood response action for consideration as part of the District's mid-year budget.

King County submitted information on 18 damage sites thought to be eligible for potential FEMA funding under the Presidential Major Disaster Declaration. Of these sites, 14 are on the Cedar River, two are on Issaquah Creek, and two are on the Green River. FEMA has indicated that most of the damages appear to meet eligibility requirements for a 75 percent federal cost-share. In 2021, King County is pursuing FEMA funding for 10 projects that have a nexus with District-authorized projects (eight on the Cedar River and two on Issaquah Creek). The remaining eight sites are undergoing further evaluation and will need a determination from the District as to how to proceed. WLRD is also receiving Rehabilitation Assistance from the U.S. Army Corps of Engineers (Corps) under Public Law 84-99 for the repair of two levee systems on the Green River and one on the Middle Fork Snoqualmie River that were damaged in the disaster.

#### **D. Asset Management**

As directed in Section 14 of [District Resolution 2019-13.2](#), WLRD has transmitted monthly status updates on facility inspections that reflect a comprehensive summary of the facilities within the RFMS River Facility Inventory. The inventory includes information about the most recent inspections, status of any follow-up actions identified through the inspections, and facility status in federal cost-share programs for levees through the Corps and revetments through FEMA. In 2020, WLRD inspected all 511 of the King County flood facilities; a unique and extensive effort that also included documenting flood damages from the Presidential Major Disaster flood event that had occurred in February 2020.

#### **E. Risk Reduction through Partnerships**

WLRD administers six separate grant funding programs authorized by the District. In 2020, the District approved 25 new Flood Reduction Grants (FRG) and added funds to 12 existing grants for a total of \$5.9 million. The District also approved \$9.8 million for 62 new grants under the Cooperative Watershed Management (CWM) program. Total expenditures for the grant programs in 2020 was \$15.3 million. Significantly, the Opportunity Fund expenditures more than doubled compared to 2019, from \$3.57 million to \$7.4 million.

Building on the foundation of the Opportunity Fund, CWM, and FRG, the District's March 2020 supplemental budget established three new capital grant programs while also doubling the funding for the CWM program. In 2021, the new grant programs will offer funding for urban streams, fish passage, and coastal flooding and erosion.

In addition, during the reporting period the District reimbursed cities for \$15.2 million in capital expenditures. Highlights include:

- Reimbursements to the City of Bellevue for improved culverts at multiple locations on Coal Creek to reduce flooding of residential properties and roads.
- Reimbursement to the City of Kent for the Signature Pointe Levee Improvement Feasibility Study. In August, the District's Executive Committee selected a \$55 million preferred alternative now included in the District's draft 2020-2025 capital program.
- Reimbursement to the City of Seattle to replace a culvert on Puget Creek and to construct drainage improvements in the South Park neighborhood.
- Reimbursement to the King County Road Services Division for the Madsen Creek culvert replacement project in the Cedar River basin.

## VI. Conclusion

This report provides the District's Board of Supervisors with the status of flood risk reduction projects and program milestones completed by WLRD in 2020 and the first quarter of 2021.

Resiliency and adaptability are critical when responding to floods or other disasters. Last year provided a series of significant challenges from a Presidential Major Disaster flood, a global pandemic, and transitioning operations to teleworking. In adapting to these challenges WLRD continues to be resilient, as evidenced by a comprehensive flood response, a record-setting year for capital construction delivery, and a seamless transition of the FWC to remote operations. Specific accomplishments and progress within the five RFMS core program areas include:

- **Structural Protection:** Initiated construction on six capital projects and completed construction on five projects.
- **Hazard Identification and Mitigation:** Initiated Channel Migration Zone studies for the Greenwater and Lower Snoqualmie rivers and completed the contracting process for the Levee Breach Analysis.
- **Asset Management:** Inspected all 511 facilities within the RFMS River Facility Inventory in a single year. This effort also included post-flood inspections following the February 2020 Presidential Major Disaster flood event that enabled access to potential federal funding for emergency response efforts and facility repairs.
- **Flood Warning Program:** Updated flood warning operations to ensure program continuity and safety during the COVID-19 pandemic. The program has responded to five minor and moderate flood events this flood season.
- **Risk Reduction through Partnerships:** Cities and other regional partners continue to make progress on engineering design, permitting, acquisition, and construction for contracted flood protection capital improvement projects and projects supported with District grant funding.

The actions described in this report represent the District's comprehensive approach to floodplain management through protecting the region from the risk of flooding, and helping residents stay out of harm's way by building greater flood awareness and preparedness.

## VII. Appendices

Appendix A. FCD Resolution 2015-16.2, Attachment A, Section 11, p.10

Appendix B. King County Flood Control District 2020 Budget

Appendix C. King County Flood Control District 2020 Expenditures

Appendix D. King County Flood Control District 2021 Budget

INTERLOCAL AGREEMENT BETWEEN KING COUNTY AND THE KING COUNTY FLOOD CONTROL  
ZONE DISTRICT REGARDING FLOOD PROTECTION SERVICES

This Agreement is hereby entered into by King County, a home rule charter County in the State of Washington ("County"), and the King County Flood Control Zone District, a quasi-municipal corporation of the State of Washington ("District") (the "Parties" or when singular, the "Party") and shall be effective upon execution by King County and the District.

WHEREAS, the District desires to carry out its mission to provide flood protection projects and services throughout the County as efficiently and effectively as possible;

WHEREAS, prior to the formation of the District in April 2007, the County had a long history of implementing flood protection projects and services in King County, and through its Department of Natural Resources and Parks, had provided a full range of flood protection projects and services;

WHEREAS, following formation of the District in April 2007, the District decided to contract with the County to implement the District's projects and services;

WHEREAS, the Parties entered into an initial Interlocal Agreement Regarding Flood Protection Services for the period January 1, 2008 through December 31, 2008, and replaced it with an Interlocal Agreement Regarding Flood Protection Services effective January 1, 2009 ("2009 Interlocal Agreement");

WHEREAS, the Parties thereafter amended the Interlocal Agreement several times to modify or add terms and conditions and to extend the term through December 31, 2015;

WHEREAS, pursuant to the 2009 Interlocal Agreement, the County provides other services in support of the District, such as, treasury services, finance, budget, real estate, communications, legislative support, clerk, project management, IT services, risk management, and other support services;

WHEREAS, the District's flood protection projects, services and activities, implemented primarily by the County, and the County's floodplain regulatory program have earned the highest Federal Emergency Management Agency (FEMA) flood protection rating of any county in the country, saving businesses and residents hundreds of thousands of dollars annually on flood insurance premiums;

WHEREAS, the District with its dedicated funding source has the financial resources to provide significantly enhanced flood protection projects and services for the benefit of the citizens of the County;

WHEREAS, the Parties, although separate legal entities, share the common goal of helping to protect the citizens of the County from the ravages of flooding;

WHEREAS, the Parties desire to continue the provision of flood protection projects and services by the County to the District;

WHEREAS, because the 2009 Interlocal Agreement already has been amended several times, the Parties desire to enter into a new Interlocal Agreement instead of amending the 2009 Interlocal Agreement once again; and

WHEREAS, the Parties are each authorized to enter into this Agreement pursuant to Chapter 39.34 RCW (the Interlocal Cooperation Act) and RCW 86.15.080(8) and 86.15.095.

NOW, THEREFORE, it is agreed by the Parties as follows:

1. Purpose and Scope of the Agreement.

1.1. The purpose of this Agreement is to provide the terms and conditions under which the District shall use its financial resources and policy direction and the County shall use its technical expertise for a program to provide effective and efficient flood protection.

1.2. The scope of the flood protection program shall be funded by District revenues (and revenues obtained for the District by the County), and shall be established by the District's budget and work program.

2. District Obligations and Authority.

2.1. The District shall adopt by resolution an annual work program, capital and operating budget, and six-year capital improvement program (hereafter referred to as the "annual work program and budget"), as prescribed in RCW 86.15.140.

2.2. The District Board of Supervisors ("Board") shall set the policy direction for the District and may adopt procedures and rules to carryout those policies.

2.3. The District shall pay for the costs incurred by the County, consistent with the terms ofthis Agreement and the annual work program and budget as follows:

2.3.1. The District shall pay the County for all necessary actual costs incurred for providing the services under this Agreement, such as direct labor, employment benefits, equipment rental, sub-contractors, materials and supplies, utilities, permits, capital improvements, financing expenses, and acquisitions.

2.3.2. The District shall pay the County for all approved costs of legal services that are not adversarial to the District and that are provided by the County in its administration and implementation of the annual work program and budget and this Agreement.

2.3.3. The District shall pay the County for administrative overhead costs for the services provided by the County to the District. The 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.

2.4. In accordance with RCW chapter 42.56, the District shall respond to requests received by the District for District public records. The District shall notify the County of such requests as soon as possible, but in any event within two (2) business days.

2.5. The District shall cooperate fully in executing documents necessary for the County to provide services under this Agreement.

2.6. The District shall provide services of the District's legal counsel as necessary to carry out the annual work program and budget, and this Agreement.

2.7. The District shall provide services of the District's accountant to ensure accountability and independent reporting of financial statements.

2.8 Pursuant to RCW 42.24.080, the District, acting through either its Executive Committee or the Board, may upon request of the County, approve an advance payment to the County for services under this Agreement.

### 3. County Obligations and Authority.

3.1. Unless otherwise directed by the District, the County shall make available the Clerk of the County Council to serve as Clerk of the District ("Clerk of the Board") and to provide services to the District that are similar to the services provided by the Clerk of the Council to the County Council.

3.2. The County shall perform or contract for the performance of all services necessary or convenient to carry out the annual work program and budget, and this Agreement, including but not limited to the following:

3.2.1. Maintain accounts and records, including labor, property, financial and programmatic records, which sufficiently and properly reflect all direct and indirect costs of any nature expended and services performed by the County pursuant to this Agreement.

3.2.2. As directed by the Executive Director, provide support for the District's Advisory Committee and Basin Technical Committees so that recommendations regarding the annual work program and budget are transmitted by August 31 of each year consistent with the legislation establishing the District (Ordinance 15728 section 7B).

3.2.3. Make available to the District during regular business hours all records related to this Agreement that are not privileged.

3.2.4. Implement a file retrieval system to respond to requests for County records related to this Agreement in a timely way.

3.2.5. Maintain and preserve records in accordance with applicable federal, state, and county retention schedules.

3.2.6. Upon receipt by the County of a public records disclosure request under Chapter 42.56 RCW that would require disclosure of County or District public records related to this Agreement, advise the Clerk of the Board and the District Executive Director of such request as soon as possible, but in any event within two (2) business days. In consultation with the District, the County is authorized to respond to such requests on behalf of the District.

3.2.7. Make concerted efforts to apply for and obtain federal, state and local grants and matching funds.

3.2.8. Notify the District Executive Director at least thirty (30) calendar days prior to submitting an application for federal, state or local grants and matching funds that relate to the work of the District, its annual work program and budget; provided, that the notice period may be less for applications involving emergency work or services.

3.2.9. Notwithstanding anything to the contrary herein, if there is a threat of imminent harm to property or public safety, respond on behalf of the District and immediately inform the District Executive Director of emergency actions taken, or which may be required.

3.2.10. Provide services of attorneys in the County Prosecuting Attorney's Office as necessary to carry out the annual work program and budget and this Agreement.

3.2. 11. Comply with all applicable policies, laws, rules and regulations, obtain all applicable permits, certifications and accreditations, and prepare and submit all applicable plans, reports and any other required information to regulatory agencies and bodies.

3.3. If requested by the District, within available resources, the County shall provide within the time and in the manner requested by the District, the following services and tasks:

3.3.1. Provide other support services to the District that are similar to those provided by County agencies to the County Council, including, but not limited to policy analysis of legislation and budgets, technical services, briefings, presentations, and other information and communications.

3.3.2. Provide additional technical expertise and personnel that is not otherwise required by this Agreement.

3.3.3. Provide electronic and paper copies of all contracts signed by the County in carrying out the annual work program and budget and this Agreement.

3.3.4. Provide management and administrative services relating to matching funds and grants.

3.4. The County shall consult regularly with, obtain input from and receive direction from the District Executive Director on implementation of the annual work program, customer service, planning and policy development, stakeholder engagement, public outreach, property acquisition, partnership opportunities and other program activities and issues that may arise.

3.5. The County shall keep the Supervisors of the affected Council geographic districts informed about key milestones related to project implementation within their districts.

3.6. The County may modify or reprioritize capital projects in the District's approved annual work program, provided the following process is followed:

3.6.1. Any projects that are substituted for projects on the approved annual work program must be on the District's approved six-year capital improvement program list.

3.6.2. The County shall notify the District Executive Director and the Board Chair in writing of the proposed modification or reprioritization, providing background information on, and the rationale for, the proposed change, including estimated applicable costs.

3.6.3. The proposed modification or reprioritization must be approved by either the Board or the District Executive Committee if the Board has authorized the Executive Committee to approve modifications or reprioritizations.

3.7 Pursuant to RCW 42.24.080, the County may request the District to approve an advance payment for services under this Agreement. The request shall be submitted in writing to the District Executive Director and shall include information to support the request.

4. Procedure for Preparation of Budget and Work Program.

Not later than August 31 of each year, the County shall prepare and submit for review by the District a proposed annual work program, a proposed capital and operating budget, a proposed six-year capital improvement program, a proposed subregional opportunity fund allocation, and any other annual work program and budget document requested by the District Executive Director for the subsequent calendar year. The County shall provide supporting information for such documents in a form and in such detail as is required by District Executive Director. The District Executive Director may request additional information, which the County shall provide in a timely manner, but not more than five (5) business days after receiving the request. However, the District Executive Director shall grant reasonable extensions of time based on the circumstances, and may request expedited responses with respect to needed financial information.

5. Monitoring and Adjusting Annual Work Program and Budget.

5.1. Through the invoicing process and reporting requirements of this Agreement, the County shall keep the District apprised of any foreseeable need to amend the annual budget or annual work program.

5.2. If the County believes that the cost of complying with or carrying out the annual work program will likely exceed the annual budget, the County shall as soon as possible

prepare and submit to the District Executive Director a proposed amendment to the annual budget or annual work program.

5.3 The District shall consider the proposed amendment in a timely manner, and may by resolution amend the annual budget and/or provide for adjustments to the annual work program or six-year capital improvement program.

6. County Engineer.

6.1. The Director of the Department of Natural Resources and Parks shall identify and appoint a person who shall act as and carry out the duties of the county engineer under RCW 86.15.060. Prior to the appointment of any person to serve as county engineer under the terms of this Agreement, the Director of the Department of Natural Resources and Parks shall provide the District Executive Committee or its designee with an opportunity to meet the candidate and provide input on the appointment. The Director of the Department of Natural Resources and Parks shall notify the Clerk of the District and the District Executive Director in writing of any resignation or termination of the person serving as the county engineer under the terms of this Agreement.

6.2. The parties agree that the county engineer under RCW 86.15.060 is not the county road engineer under Chapter 36.80 RCW. The scope of the county engineer's duties and responsibilities shall be consistent with the provisions of RCW 86.15.060 and all resolutions adopted by the District.

7. Public Outreach and Media Relations.

7.1. To ensure clear and consistent communications with the public and outside agencies, all communications with the public and outside agencies regarding District and County flood protection services and programs shall identify such services and programs as "District" services and programs, and shall be handled in accordance with communications protocols, policies, and plans developed by the Parties and approved by the District Executive Committee.

7.2 All products developed by the County and paid for with District funds or grant funds obtained on behalf of the District shall acknowledge the District.

8. Authority to Execute Agreements.

8.1. The Board shall authorize and approve all agreements to which the District is a party, unless provided otherwise by a District resolution. However, the Director of the Department of Natural Resources and Parks is authorized to sign the following

agreements on behalf of the District without further authorization and approval of the District:

8.1.1. Agreements with third parties related to the design, acquisition, construction, and construction management of flood protection capital projects that are included in an annual work program or the approved six-year capital improvement program, including without limitation, any agreement or real property document required by the U.S. Army Corps of Engineers or by any federal, state or local agency.

8.1.2. Agreements with the Federal Emergency Management Agency for reconstruction or repair of flood protection capital projects.

8.1.3. Agreements for the award of grants or matching funds that are consistent with applications for such grants or matching funds.

8.1.4 Agreements in the name of the County that are not included in Sections 8.1.1 through 8.1.3 above and that are necessary or convenient to carry out the annual work program; provided that Agreements in excess of \$100,000 shall be submitted to the Executive Director for review prior to signature.

8.2. Except as provided for in Sections 8.1 through 8.4 above, the County in implementing the capital projects in the annual work program and budget, shall undertake all actions, including but not limited to design, permitting, acquisition, and construction, in its own name, with the understanding that such projects after completion shall be transferred to the District, consistent with the terms of Sections 9.2 and 9.3 below.

9. Property Ownership.

All real property and interests therein acquired either by the District or the County on behalf of the District shall be in the name of the District, except as follows:

9.1. The real property and interests therein shall be in the name of the County or the District, if required by any federal or state agency pursuant to applicable laws, regulations or agreements.

9.2. Before and during design, construction and construction management of a flood protection capital project included within the annual work program, the County may acquire by negotiation, or condemnation if authorized by the District, all real property interests that are necessary for the project. The County may acquire such real property interests in its name only, unless required otherwise by the District or unless

provided otherwise by any federal or state agency pursuant to applicable laws, regulations or agreements. After County acceptance of such capital project, the County and the District shall enter into appropriate real property documents to transfer such real property interests to the District, in accordance with RCW 86.15.080, or to entities designated by the District, reserving through recorded instrument unto the County, as appropriate, access rights for the purpose of land management, maintenance and the exercise of regulatory authority.

9.3. Any real property acquired by the County pursuant to any County buyout and relocation program shall be in the name of the County. Following the County's acquisition of such property, the County and the District shall enter into appropriate real property documents to transfer such real property to the District, in accordance with RCW 86.15.080, or to entities designated by the District, reserving through recorded instrument unto the County, as appropriate, access rights for the purpose of land management, maintenance and the exercise of regulatory authority.

10. Invoices.

10.1. The County shall submit invoices to the District for the cost of services and expenditures on capital projects and program services to implement the annual work program. The invoices shall include all actual costs, plus administrative overhead costs as defined in Section 2.3.3. and shall be in a form and shall contain information and data as required by the District Executive Director.

10.2. The County shall submit invoices to the Executive Director and Clerk of the District within thirty {30} days after the closing of the billing month in which the services are provided and the capital project expenditures are incurred. The District shall review and pay the invoice within sixty (60) days of receipt in accordance with procedures established by District resolution, if any. However, the District may postpone payment of the invoice if it is inaccurate or incomplete, in the opinion of the District. The District shall notify the County of any inaccuracy or incompleteness within thirty (30) days of receipt of the invoice. The County shall provide the requested information within thirty {30} days of the request. The District shall pay an invoice within thirty (30) days of the submittal of all requested information, and invoices that are not paid within that time are subject to statutorily-authorized interest charges.

10.3. The County shall include as part of the monthly invoices any modification or reprioritization of capital projects in the District's annual work program as approved in accordance with Section 3.5.

10.4. The Parties may agree to include additional performance measures as part of the invoice.

10.5 District payments shall be made via inter-fund transfer consistent with instructions from the County.

11. Performance Reports.

11.1. The County shall submit financial and performance reports to the District by April 30 and October 31 of each year, outlining and summarizing implementation of the annual work program, in a form and general content approved by the District Executive Director. The reports shall generally reflect County budgetary practices and BARS requirements.

12. Legal Relations.

12.1. No Third Party Rights. It is understood and agreed that this Agreement is solely for the benefit of the Parties and gives no right to any other Party or person.

12.2. No Joint Venture. No joint venture or partnership is formed as a result of this Agreement. No employees or agents of one Party or any of its contractors or subcontractors shall be deemed, or represent themselves to be, employees of the other Party.

12.3. Indewendent Contractor. The County is an independent contractor with respect to the services and responsibilities under this Agreement, and nothing in this Agreement shall be considered to create the relationship of employer and employee between the Parties.

12.4. Jurisdiction and Venue. This Agreement shall be interpreted in accordance with the laws of the State of Washington. The Superior Court of King County, Washington, shall have exclusive jurisdiction and venue over any legal action arising under this Agreement.

12.5. Indemnification. To the maximum extent permitted by law, each Party shall defend, indemnify and hold harmless the other Party, and all of its officials, employees, principals and agents, from any and all claims, demands, suits, actions, fines, penalties, and liability of any kind, including injuries to persons or damages to property, which arise out of or are related to any negligent acts, errors, omissions of the indemnifying Party and its contractors, agents, employees and representatives in performing obligations under this Agreement. However, if any such damages and injuries to persons or property are caused by or result from the concurrent negligence of the District or its

contractors, employees, agents, or representatives, and the County or its contractor or employees, agents, or representatives, each Party's obligation hereunder applies only to the extent of the negligence of such Party or its contractor or employees, agents, or representatives.

The foregoing indemnity is specifically and expressly intended to constitute a waiver of each Party's immunity under industrial insurance, Title 51 RCW, as respects the other Party only, and only to the extent necessary to provide the indemnified Party with a full and complete indemnity of claims made by the indemnitor's employees. This waiver has been mutually negotiated.

12.6. Prevailing Party Costs. In the event either Party incurs attorney fees, costs or other legal expenses to enforce the provisions of this Agreement against the other Party, all such fees, costs and expenses shall be recoverable by the prevailing Party.

12.7. Insurance.

12.7.1. The County and the District shall provide insurance or self-insurance. Unless provided otherwise by the Board, the District authorizes and directs the County to procure and maintain insurance on the District's behalf at the District's expense, including without limitation, the additional costs in insurance charges and costs incurred by the County for the District to be included as an insured in the County's self-insurance program and/or any insurance coverage provided for the benefit of the District, its Board, officers, employees, agents and volunteers. The County shall endeavor to procure insurance for the District with the same coverage and in the same amounts as is provided generally by the County for its officers, employees and agents. Prior to securing or renewing insurance for the District, the County shall consult with the District Executive Director.

12.7.2. Unless provided otherwise by the Board, the County is authorized to investigate and review all claims against the District, including associated allocated expense payments, which are not covered by insurance or self-insurance or which are within the self-insurance retention or deductible. After investigation and review, the County shall consult with the District Executive Director regarding the claim. The Board shall approve the payment of any authorized claim, and nothing in this Agreement shall be construed as requiring the County to pay any claims against the District.

12.7.3. Nothing in this Agreement shall be construed to modify or amend any provision of an insurance policy or any coverage through a self-insurance or joint insurance program. If there is a conflict between this Agreement and the

provisions of any such policies or coverage, the provisions of any such policies or coverage shall control.

12.8 Survival. The provisions of Sections 12.4, 12.5, and 12.6 shall survive any termination of this Agreement.

13. Duration, Performance, and Termination.

13.1 This Agreement shall take effect on January 1, 2016 and shall remain in effect through December 31, 2016. The District may extend this Agreement once for two (2) years by sending notice to the County of its intention to extend this Agreement on or before July 31, 2016.

13.2. If a Party fails to perform its obligations as described in this Agreement, the Parties shall use their good faith efforts to resolve the failure to perform using the dispute resolution process of Section 14. If the dispute cannot be remedied, either Party may elect to terminate this Agreement by giving written notice of termination to the other Party not less than one hundred and eighty (180) days prior to the effective date of the termination; except that if the District fails to make payment as required in this Agreement, the County may provide written notice of termination not less than thirty (30) days prior to the effective date of termination.

13.3 Failure to require full and timely performance of any provision of this Agreement shall not waive the right to insist upon complete and timely performance thereafter.

14. Dispute Resolution.

14.1. Should a dispute arise between the Parties out of or related to this Agreement, a Party shall notify the other Party in writing of any dispute that the respective Party believes should be resolved. The Parties shall communicate regularly and commit to act in good faith to resolve the dispute.

14.2. If the dispute cannot be remedied within thirty (30) days after written notice, the Parties shall consider submitting the matter to a mutually agreed upon non-binding mediator. The Parties shall share equally in the cost of the mediator.

15. Administration and Identification of Contacts.

15.1. This Agreement shall be administered by the District Executive Director and the Division Director of the Water and Land Resources Division of the Department of Natural Resources and Parks, who shall be contacted as follows:

Executive Director  
King County Flood Control District  
516 3<sup>rd</sup> Avenue, Room W1201  
Seattle, Washington 98104

Division Director of Water and Land Resources Division  
King County Department of Natural Resources and Parks  
201 South Jackson Street, Suite 600  
Seattle, Washington 98104

16. General Provisions.

16.1. Entire Agreement. This Agreement, including its attachments, is a complete expression of its terms, and any oral representation or understandings not incorporated in this Agreement are excluded. Any modification, amendment, or clarification to this Agreement shall be in writing and signed by both Parties. Copies of such shall be attached to this Agreement and by this reference are made a part of this Agreement as though full set forth in this Agreement.

16.2. Severability. If any provisions of this Agreement are held invalid by a court of competent jurisdiction, the remainder of this Agreement shall not be affected thereby if such remainder would then continue to serve the purposes and objectives originally contemplated.

16.3. Force Majeure. Notwithstanding anything contained in this Agreement to the contrary, neither Party shall be deemed in default hereunder nor liable for damages arising from its failure to perform any duty or obligation hereunder if such delay is due to causes beyond the Party's reasonable control, including, but not limited to acts of God, acts of civil or military authorities (including failure of civil authorities to timely process permits or provide utilities), fires, floods, windstorms, earthquakes, strikes or labor disturbances, civil commotion, delays in transportation, governmental delays or war.

16.4. Authorization and Listing. This Agreement has been duly authorized by King County Ordinance and King County Flood Control Zone District Resolution. The District shall list this Agreement on its website, and the County may list this Agreement on its website, in accordance with RCW 39.34.040.

N WITNESS WHEREOF, the Parties have caused this Agreement to be executed.

**KING COUNTY**

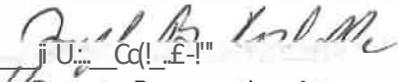


Dow Constantine  
King County Executive

12/29/15  
Dated

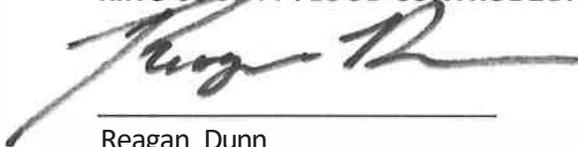
Approved as to Form:

Dan Satterberg  
King County Prosecuting Attorney

By:   
Senior Deputy Prosecuting Attorney

»j;rfl-YJ  
Dated

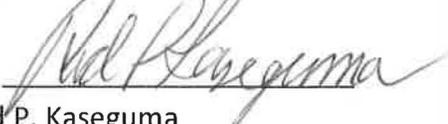
**KING COUNTY FLOOD CONTROL ZONE DISTRICT**



Reagan Dunn  
Chair of the King County Flood Control District

12/4/15

Approved as to Form:

By:   
Rod P. Kaseguma  
Inslee, Best, Doezie, and Ryder, P.S.

IZ/It/20 15"  
Dated

## 2020 Budget

### Flood Control District Administration

Flood District Administration \$913,238

### Operating Budget

Description	
Annual Maintenance	\$3,305,056
Flood Hazards Plan, Grants, Outreach	\$950,380
Flood Hazard Studies, Maps, Technical Services	\$3,383,416
Flood Preparation, Flood Warning Center	\$991,042
Program Management, Supervision, Finance, Budget	\$1,727,017
Program Implementation	\$246,986
Overhead / Central Costs	\$3,135,313
<b>Total</b>	<b>\$13,739,210</b>

### Capital Budget

Project	Description	
<b>Snoqualmie River Basin</b>		
1044461	WLFL0 SF SKYKMSH REP LOSS MIT	\$3,620,000
1129357	WLFL0 SKYKOMISH LB DOWN 2016 REPAIR	\$64,599
1044460	WLFL0 TIMBER LN EROSN BUYOUTS	\$433,000
1129359	WLFL0 TIMBERLANE 2016 REPAIR	\$3,070
1135532	WLFL0 TIMBERLANE 2019 REPAIR	\$439,950
1126589	WLFL1 428TH AVE SE BR FEASIBILITY	\$70
1134874	WLFL1 BENDIGO UPR SETBACK N BEND	\$49,876
1121044	WLFL1 CIRCLE RVR RANCH RISK RED	\$371,178
1137758	WLFL1 MF RESIDENTIAL FLD MTG TN	\$120,000
1044469	WLFL1 MF SNO CORRIDOR PLAN	\$193,504
1137757	WLFL1 MF SNO PL84-99	\$75,000
1134910	WLFL1 NORMAN CREEK DS CULV	\$1,920
1134340	WLFL1 NORTH FORK BRIDGE FEASIBILITY	\$189,735
1132629	WLFL1 RECORD OFFICE 2016 REPAIR	\$818,850
1132628	WLFL1 REINIG RD RVTMNT 2016 REPAIR	\$400,000
1132457	WLFL1 RIBARY CREEK	\$186,492
1132357	WLFL1 SF SNO LEVEE REMEDIATION	\$189,318
1129364	WLFL1 SHAKE MILL LB 2016 REPAIR	\$810,839
1129363	WLFL1 SHAKE MILL RB 2016 REPAIR	\$303,750
1132630	WLFL1 SI VIEW RM4 2017 REPAIR	\$108,717
1044517	WLFL1 UPR SNO RES FLD MITIGTN	\$2,570,872
1132338	WLFL1 USACE PL 84-99 SF SNO	\$293,241
1137399	WLFL2 CITY SNOQ HOME ELEVATIONS	\$1,468,000
1116342	WLFL2 DUTCHMAN RD REVETMENT	\$100,000
1130516	WLFL2 DUVALL SLOUGH 2017 IMPRV	\$122,063
1044581	WLFL2 FARM FLOOD TSK FORCE IMP	\$150,468
1137352	WLFL2 FISH HATCHERY RD BR #61B REPAIR	\$80,000
1139119	WLFL2 JOY 2020 REPAIR	\$100,000
1130514	WLFL2 L SNO 2019 BANK REPAIR	\$1,088,058
1044580	WLFL2 L SNO REP LOSS MITG TION	\$416,258
1130513	WLFL2 L SNO SCOUR REPAIR 2017	\$7,589

1044576	WLFL2 L SNO/ALDAIR CORR DOR PLN	\$346,600
1044582	WLFL2 LWR SNO RESDL FLD MITGTN	\$1,085,580
1137400	WLFL2 MUD CREEK SEDIMENT FACILITY	\$432,000
1122633	WLFL2 SE 19TH WAY REVETMENT	\$80,657
1134344	WLFL2 STOSSEL REVETMENT	\$100,000
1133884	WLFL2 STOSSEL RB 2018 REPAIR	\$137,105
1044579	WLFL2 TOLT PIPELINE PROTECTION	\$133,310
1129365	WLFL3 FREW LEVEE 2016 REPAIR	\$191,480
1129366	WLFL3 GIRL SCOUT LEVEE 2016 REPAIR	\$144,921
1136473	WLFL3 HOLBERG 2019 REPAIR	\$50,000
1132019	WLFL3 HOLBERG FEASIBILITY	\$189,504
1131803	WLFL3 LOWER FREW LEVEE SETBACK	\$362,887
1112034	WLFL3 LOWER TOLT RIVER ACQUISITION	\$850,000
1132631	WLFL3 REMLINGER LEVEE 2017 REPAIR	\$167,967
1131563	WLFL3 RIO VISTA PROPERTY ACQ	\$1,432,000
1044645	WLFL3 SAN SOUCI NBRHOOD BUYOUT	\$581,000
1131565	WLFL3 SAN SOUCI REACH IMPRVMENTS	\$172,278
1131560	WLFL3 SEDIMENT MGMT FEAS	\$327,652
1131562	WLFL3 SR 203 BR IMPRVMENTS FEAS	\$373,242
1044644	WLFL3 TOLT CORRIDOR PLAN	\$14,430
1131559	WLFL3 TOLT R LEVEE L.O.S. ANALYSIS	\$412,309
1112058	WLFL3 TOLT R MILE 1.1 SETBACK	\$40,598
1115032	WLFL3 TOLT R NATURAL AREA ACQ	\$1,630,000
1126597	WLFL3 TOLT R RD ELEVATION FEASIBILITY	\$199,840
1132002	WLFL3 UPPER FREW LEVEE SETBACK	\$50,000
1044647	WLFL4 ALPINE MANOR NEIGHBORHOOD BUYOUT	\$99,650
1132632	WLFL4 RAGING MOUTH TO BR 2017 REPAIR	\$233,141
1130553	WLFL4 RAGING SCOUR REPAIR 2017	\$54,938
<b>TOTAL SNOQUALMIE BASIN</b>		<b>\$24,669,506</b>

#### Cedar River Basin

1130555	WLFL5 ALLEN LK OUTLET IMPRVMENT	\$400,000
1139122	WLFL5 BAYLESS 2020 REPAIR	\$50,000
1137401	WLFL5 GEORGE DAVIS CRK CITY OF SAMMAMISH	\$400,000
1139121	WLFL5 IRWIN R 2020 REPAIR	\$25,000
1139124	WLFL5 JEROME 2020 REPAIR	\$50,000
1139125	WLFL5 MOMB 2020 REPAIR	\$50,000
1139624	WLFL5 SAMMAMISH CAPITAL INVESTMENT STRAT	\$250,000
1112037	WLFL5 WILLOWMOOR FLDPLAIN REST	\$297,600
1137403	WLFL6 BEAR CRK FLOOD EROSION REDMOND	\$550,000
1137759	WLFL6 FACTORIA BLVD DRAINAGE	\$1,071,000
1132986	WLFL6 ISSAQUAH TRIB FEAS	\$116,844
1116846	WLFL6 LOWER COAL CRK PH I	\$3,307,352
1132746	WLFL6 MAY VALLEY DRAINAGE IMPRVMENT	\$309,455
1139129	WLFL7 BELMONDO 2020 REPAIR	\$50,000
1139130	WLFL7 BRODELL 2020 REPAIR	\$50,000
1138282	WLFL7 BYERS 2020 EMERGENCY ACTION	\$25,000
1044734	WLFL7 CDR PRE-CONST STRTGC ACQ	\$675,000
1116060	WLFL7 CEDAR LEVEE SETBACK FEAS (Cedar Corric	\$134,900
1138280	WLFL7 CEDAR R TRAIL SITE 2	\$1,178,000
1139131	WLFL7 CEDAR RAPIDS ELJ6 2020 REPAIR	\$50,000
1134342	WLFL7 CEDAR RES FLOOD MITIGATION	\$674,000
1131691	WLFL7 CEDAR RIVER TRAIL SITE A BANK	\$184,612
1044729	WLFL7 CEDAR RVR GRAVEL REMOVAL	\$2,734,771
1131690	WLFL7 CITY OF RENTON LEVEE CERTIFICATION	\$5,000,000

1139132 WLFL7 CRT SITE 5 2020 REPAIR	\$100,000
1139187 WLFL7 CRT2 ZONE D 2020 REPAIR	\$50,000
1139188 WLFL7 DORRE DON AVULSION ANALYSIS	\$50,000
1131549 WLFL7 HERZMAN LEVEE SETBACK	\$857,000
1134911 WLFL7 ISSAQUAH MAY VALLEY IMPV	\$11,681
1131550 WLFL7 JAN ROAD NEIGHBORHOOD	\$1,439,685
1131689 WLFL7 LOWER CEDAR FEASIBILITY STUDY	\$398,610
1131548 WLFL7 LOWER JONES ROAD NEIGHBORHOOD	\$1,695,510
1130556 WLFL7 MADSEN CR CULVERT 2017	\$2,899,480
1137270 WLFL7 MADSEN CR RENTON	\$634,938
1131687 WLFL7 MAPLEWOOD FEASIBILITY STUDY	\$193,160
1139189 WLFL7 TABOR-CROWALL REVETMENT	\$100,000
1119888 WLFL7 RIVERBEND MHP ACQ	\$852,994
1130557 WLFL7 SR 169 FEASIBILITY STUDY	\$489,665
<b>TOTAL CEDAR RIVER BASIN</b>	<b>\$27,406,257</b>

### Green River Basin

1116515 WLFL8 BRISCOE LEVEE SETBACK	\$2,137,194
1129569 WLFL8 BRPS CONTROL BLDG RPLCMT	\$1,990,541
1130020 WLFL8 BRPS FISH PASS IMPRVMNTS	\$350,000
1129574 WLFL8 BRPS HIGH-USE ENGINES	\$3,915,549
1130024 WLFL8 BRPS SUPPORT SYS UPGRADES	\$1,149
1137760 WLFL8 COVINGTON CR BLACK DIAMOND	\$291,500
1138676 WLFL8 DESIMONE MAJOR REPAIR	\$80,000
1139190 WLFL8 FORT DENT 2020 REPAIR	\$50,000
1135536 WLFL8 GALLIDYKSTRA 2020 REPAIR	\$316,423
1044961 WLFL8 GREEN PRE-CONST ACQ	\$7,791,132
1044882 WLFL8 GREEN R PL84-99 MITIGATN	\$402,173
1130559 WLFL8 GREEN SCOUR REPAIR 2017	\$102,476
1132391 WLFL8 HSB BREDA SETBACK - KENT	\$6,259,821
1129576 WLFL8 HSB MCCOY REALIGNMENT	\$511,894
1132006 WLFL8 INTERIM SWIF IMPLEMENTATION	\$1,325
1134341 WLFL8 LONES LEVEE RESTORATION	\$1,850,000
1130118 WLFL8 LWR GRN R CORRIDOR PLAN/EIS	\$1,413,950
1112056 WLFL8 LWR RUSSELL LEVEE SETBACK	\$12,924,903
1126595 WLFL8 MILWAUKEE LEVEE #2-KENT	\$18,981,599
1139191 WLFL8 NEWAUKUM CR FLOOD CONVEYANCE RES	\$65,000
1127209 WLFL8 OLD JEFF'S FARM REVETMENT	\$75,406
1044881 WLFL8 RUSSELL RD UPPER KENT	\$17,117
1137404 WLFL8 S 106TH ST DRAINAGE IMPVMNT	\$451,000
1130562 WLFL8 SIGNATURE POINTE REVETMENT	\$1,399,581
1134928 WLFL8 TITUS PIT RVTMNT 2018 REPAIR	\$82,262
1135539 WLFL8 TUK REVETMNT 2019 REPAIR	\$269,939
1137761 WLFL8 TUK-205 GUNTER FLOODWALL	\$2,000,000
1129367 WLFL8 TUK-205 USACE GACO REPAIR	\$14,873,596
1135538 WLFLS PUGET WAY CULVERT	\$704,952
1129203 WLFLS S PARK DRAINAGE IMPROVEMENTS	\$8,437,929
1112036 WLFLS SOUTH PARK PUMPSTATION	\$4,717,971
<b>TOTAL GREEN RIVER BASIN</b>	<b>\$92,466,382</b>

### White River Basin

1137405 WLFL9 212TH AVE SE MITIGATION	\$29,000
1135540 WLFL9 ANDERSON PARK ACQUISITION	\$100,000
1112049 WLFL9 COUNTYLINE TO A STREET	\$116,290

1112038 WLFL9 RIGHT BANK LEVEE SETBACK	\$1,703,911
1134345 WLFL9 SLIPPERY CREEK ACQ	\$64,437
1130560 WLFL9 STREAM #10.0048 US CULVERT	\$441,434
1135541 WLFL9 STUCK R DR 2019 REPAIR	\$547,857
<b>TOTAL WHITE RIVER BASIN</b>	<b>\$3,002,929</b>

**Countywide Costs**

1122628 WLFLG FLOOD REDUCTION GRANTS	\$11,943,274
1117333 WLFLG WRIA GRANTS	\$17,455,937
1112022 WLFLM EFFECTIVENESS MONITORING	\$1,188,300
1045042 WLFLG SUBREGNL OPPRTNTY FUND	\$22,626,278
1044281 WLFLX CENTRAL CHARGES	\$291,929
1045333 WLFLX CONST MATERIALS STOCKPILE	\$496,646
1044279 WLFLX FLOOD EMERGENCY CONTGNCY	\$1,000,000
<b>TOTAL COUNTYWIDE COSTS</b>	<b>\$55,002,364</b>

<b>TOTAL CAPITAL BUDGET</b>	<b>\$202,547,438</b>
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<b>Flood Control District Total</b>	<b>\$217,199,886</b>
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Notes:

1) The amounts shown here represent the annual project budgets as adopted in Resolution FCD2020-05.2.

## 2020 Expenditures

### Flood Control District Administration

Flood District Administration \$1,917,031

### Operating Expenditures

Description	
Annual Maintenance	\$1,612,068
Flood Hazards Plan, Grants, Outreach	\$470,235
Flood Hazard Studies, Maps, Technical Services	\$1,354,528
Flood Preparation, Flood Warning Center	\$959,480
Program Management, Supervision, Finance, Budget	\$1,903,629
Program Implementation	\$1,110,113
Overhead / Central Costs	\$3,227,641
<b>Total</b>	<b>\$10,637,693</b>

### Capital Expenditures

Project	Description	
<b>Snoqualmie River Basin</b>		
1044461	WLFL0 SF SKYKMSH REP LOSS MIT	\$2,175,469
1044460	WLFL0 TIMBER LN EROSN BUYOUTS	\$2,653
1129359	WLFL0 TIMBERLANE 2016 REPAIR	\$161
1135532	WLFL0 TIMBERLANE 2019 REPAIR	\$144,923
1126589	WLFL1 428TH AVE SE BR FEASIBILITY	\$70
1121044	WLFL1 CIRCLE R RANCH RISK RED	\$463,506
1044469	WLFL1 MF LEVEE SYSTEM IMPRVMT	\$46,602
1137758	WLFL1 MF RESIDENTIAL FLD MTGNT	\$4,462
1134340	WLFL1 NORTH FORK BRIDGE FEAS	\$22,289
1132629	WLFL1 RECORD OFFICE 2016 REPAIR	(\$27,026)
1132628	WLFL1 REINIG RD 2016 REPAIR	\$344,872
1135534	WLFL1 REINIG RD ELEVATION	\$394
1132457	WLFL1 RIBARY CREEK	\$9,885
1132357	WLFL1 SF SNO LEVEE REMEDIATION	\$11,022
1129364	WLFL1 SHAKE MILL LB 2016 REPAIR	\$168,806
1129363	WLFL1 SHAKE MILL RB 2016 REPAIR	\$564,889
1132630	WLFL1 SI VIEW RM4 2017 REPAIR	\$8,144
1044517	WLFL1 UPR SNO RES FLD MITGNT	\$643,634
1132338	WLFL1 USACE PL 84-99 SF SNO	\$49,936
1044576	WLFL2 ALDAIR BUYOUT	\$7,844
1116342	WLFL2 DUTCHMAN RD 2012 REPAIR	\$56,647
1044581	WLFL2 FARM FLOOD TSK FORCE IMP	\$8,916
1137352	WLFL2 FISH HATCHERY RD BR #61B REPAIR	\$43,801
1139119	WLFL2 JOY 2020 REPAIR	\$35,882
1044580	WLFL2 L SNO REP LOSS MITGNT	\$55
1044582	WLFL2 LWR SNO RESDL FLD MITGNT	\$25,234
1122633	WLFL2 SE 19TH WAY REVETMENT	\$2,875
1130514	WLFL2 SE DAVID POWELL UPSTREAM	(\$37,739)
1044579	WLFL2 SNOQUALMIE 13.5 REVETMN	\$49,242
1134344	WLFL2 STOSSEL MAJOR REPAIR	\$16,598
1133884	WLFL2 STOSSEL RB 2018 REPAIR	\$53,214
1132019	WLFL3 HOLBERG FEASIBILITY	\$74,262
1131803	WLFL3 L FREW LEVEE SETBACK	\$5,318

1112034	WLFL3 LOWER TOLT R ACQUISITION	\$3,000
1131563	WLFL3 RIO VISTA PROPERTY ACQ	\$656,129
1044645	WLFL3 SAN SOUCI NBRHOOD BUYOUT	\$457,789
1131565	WLFL3 SAN SOUCI REACH IMPRVMNTS	\$95,773
1131560	WLFL3 SEDIMENT MGMT FEAS	\$61,117
1131562	WLFL3 SR 203 BR IMPRVMNTS FEAS	\$8,048
1131559	WLFL3 TOLT R LEVEE L.O.S. ANALYSIS	\$231,470
1112058	WLFL3 TOLT R MILE 1.1 SETBACK	\$250
1115032	WLFL3 TOLT R NATURAL AREA ACQ	\$58,968
1126597	WLFL3 TOLT R RD ELEVATION FEASIBILITY	\$17,757
1044647	WLFL4 ALPINE MANOR MOB PRK ACQ	\$70
<b>TOTAL SNOQUALMIE BASIN</b>		<b>\$6,567,209</b>

**Cedar River Basin**

1130555	WLFL5 ALLEN LK OUTLET IMPRVMNT	\$19,226
1139121	WLFL5 IRWIN R 2020 REPAIR	\$16,197
1139124	WLFL5 JEROME 2020 REPAIR	\$5,083
1139125	WLFL5 MOMB 2020 REPAIR	\$2,391
1139624	WLFL5 SAMMAMISH CIS	\$195,121
1112037	WLFL5 WILLOWMOOR FLDPLAIN REST	\$111,150
1137403	WLFL6 BEAR CRK FLOOD EROSION REDMOND	\$128
1132986	WLFL6 FIFTEENMILE CRK BRIDGE 493C	\$89,392
1116846	WLFL6 LOWER COAL CRK PH I	\$3,558,637
1132746	WLFL6 MAY VALLEY DRAINAGE IMPRVMNT	\$4,282
1139129	WLFL7 BELMONDO 2020 REPAIR	\$9,048
1139130	WLFL7 BRODELL 2020 REPAIR	\$9,403
1138282	WLFL7 BYERS CURVE 2020 REPAIR	\$15,194
1044734	WLFL7 CDR PRE-CONST STRTGC ACQ	\$282,703
1116060	WLFL7 CEDAR LEVEE SETBACK FEAS	\$673
1139131	WLFL7 CEDAR RAPIDS ELJ6 2020 REPAIR	\$13,518
1134342	WLFL7 CEDAR RES FLOOD MITIGATION	\$1,332
1131691	WLFL7 CEDAR RIVER TRAIL SITE 2A BANK	\$121,323
1044729	WLFL7 CEDAR RVR GRAVEL REMOVAL	\$428,162
1131690	WLFL7 CITY OF RENTON LEVEE CERTIFICATION	\$323,458
1138280	WLFL7 CRT SITE 2 2020 REPAIR	\$447,793
1139132	WLFL7 CRT SITE 5 2020 REPAIR	\$2,905
1139187	WLFL7 CRT2 ZONE D 2020 REPAIR	\$449
1139188	WLFL7 DORRE DON AVULSION ANALYSIS	\$23,120
1131549	WLFL7 HERZMAN LEVEE SETBACK AND TRAIL	\$291,801
1131550	WLFL7 JAN ROAD NEIGHBORHOOD	\$874,081
1131689	WLFL7 LOWER CEDAR FEASIBILITY STUDY	\$8,113
1131548	WLFL7 LOWER JONES ROAD NEIGHBORHOOD	\$11,247
1137270	WLFL7 MADSEN CR RENTON	\$144,576
1131687	WLFL7 MAPLEWOOD FEASIBILITY STUDY	\$166,893
1119888	WLFL7 RIVERBEND MHP ACQ	\$49,539
1130556	WLFL7 SE 162ND AVE AT 266TH CT	\$2,972,960
1130557	WLFL7 SR 169 FEASIBILITY STUDY	\$382,627
1139189	WLFL7 TABOR-CROWALL REVETMENT	\$14,499
<b>TOTAL CEDAR RIVER BASIN</b>		<b>\$10,597,024</b>

**Green River Basin**

1116515	WLFL8 BRISCOE LEVEE SETBACK	\$155,918
1129569	WLFL8 BRPS CONTROL BLDG RPLCMT	\$825,575
1130020	WLFL8 BRPS FISH PASS IMPRVMNTS	\$39,144

1129574 WLFL8 BRPS HIGH-USE ENGINES	\$2,145,146
1138676 WLFL8 DESIMONE MAJOR REPAIR	\$116,332
1139190 WLFL8 FORT DENT 2020 REPAIR	\$13,498
1135536 WLFL8 GALLIDYKSTRA 2020 REPAIR	\$265,204
1044961 WLFL8 GREEN PRE-CONSTRCTN ACQ	\$1,501,473
1044882 WLFL8 GREEN R PL84-99 MITIGATN	\$8,046
1132007 WLFL8 LOWER RUSSELL ACQ KENT	(\$100,012)
1130118 WLFL8 LWR GRN R CORRIDOR PLAN/EIS	\$224,220
1112056 WLFL8 LWR RUSSELL/HOLIDAY	\$13,600,474
1126595 WLFL8 MILWAUKEE LEVEE #2-KENT	\$1,480,519
1127209 WLFL8 S 277TH ST REVETMENT	\$2,655
1130560 WLFL8 SE 380 PL AT SR 164	\$123,286
1130562 WLFL8 SIGNATURE PT RVTMNT	\$1,136,664
1135539 WLFL8 TUK REVETMNT 2019 REPAIR	\$181,073
1129367 WLFL8 TUK-205 GACO WSTRN RPAIR	\$86,923
1137761 WLFL8 TUK-205 GUNTER FLOODWALL	\$198,446
1129577 WLFL8 TUK-205 SEGALE FLOODWALL	(\$4,970)
<b>TOTAL GREEN RIVER BASIN</b>	<b>\$21,999,613</b>

#### White River Basin

1112049 WLFL9 COUNTYLINE TO A STREET	\$2,697
1112038 WLFL9 RIGHT BANK LEVEE SETBACK	\$1,273,181
1134345 WLFL9 SLIPPERY CREEK ACQ	\$698
1135541 WLFL9 STUCK R DR 2019 REPAIR	\$481,777
<b>TOTAL WHITE RIVER BASIN</b>	<b>\$1,758,353</b>

#### Countywide Costs

1122628 WLFLG FLOOD REDUCTION GRANTS	\$2,157,358
1117333 WLFLG WRIA GRANTS	\$6,020,063
1112022 WLFLM EFFECTIVENESS MONITORING	\$710,111
1045042 WLFLO SUBREGNL OPPRTNTY FUND	\$7,398,123
1135538 WLFLS PUGET WAY CULVERT	\$446,903
1129203 WLFLS S PARK DRAIN IMPROVMNTS	\$4,395,842
1112036 WLFLS SOUTH PARK DWMSH BACKWTR	\$3,802,198
1044281 WLFLX CENTRAL CHARGES	\$44,493
1045333 WLFLX FLOOD MATERIAL STOCKPILE	\$146,638
0000000 Default	\$113,657
<b>TOTAL COUNTYWIDE COSTS</b>	<b>\$25,235,385</b>

**TOTAL CAPITAL EXPENDITURES** \$66,157,584

**Flood Control District Total** \$78,712,309

#### Notes:

- 1) Amounts in red are negative expenditures reflecting refunds or corrections to the project.
- 2) The Flood District Administrative expenditure is a preliminary estimate as the final number was not available at the time of publication.

## 2021 Budget

### Flood Control District Administration

Flood District Administration \$2,338,637

### Operating Budget

Description	
Annual Maintenance	\$2,370,715
Flood Hazards Plan, Grants, Outreach	\$512,619
Flood Hazard Studies, Maps, Technical Services	\$2,261,254
Flood Preparation, Flood Warning Center	\$1,032,536
Program Management, Supervision, Finance, Budget	\$1,913,982
Program Implementation	\$1,826,273
Overhead / Central Costs	\$3,254,337
<b>Total</b>	<b>\$13,171,717</b>

### Capital Budget

Project	Description	
<b>Snoqualmie River Basin</b>		
1044461	WLFL0 SF SKYKMSH REP LOSS MIT	\$1,780,000
1044460	WLFL0 TIMBER LN EROSN BUYOUTS	\$2,367,000
1121044	WLFL1 CIRCLE RVR RANCH RISK RED	\$261,122
1139694	WLFL1 MF FLOOD CONVEYANCE N BEND	\$150,000
1137758	WLFL1 MF RESIDENTIAL FLD MTGTN	\$2,400,000
1137757	WLFL1 MF SNO PL84-99	(\$75,000)
1134340	WLFL1 NORTH FORK BRIDGE FEASIBILITY	\$160,265
1132629	WLFL1 RECORD OFFICE 2016 REPAIR	\$2,391,493
1132628	WLFL1 REINIG RD RVTMNT 2016 REPAIR	\$3,943,514
1132457	WLFL1 RIBARY CREEK N BEND	\$450,000
1132357	WLFL1 SF SNO LEVEE REMEDIATION	(\$183,318)
1129364	WLFL1 SHAKE MILL LB 2016 REPAIR	(\$410,839)
1129363	WLFL1 SHAKE MILL RB 2016 REPAIR	\$248,910
1044517	WLFL1 UPR SNO RES FLD MITIGTN	\$295,755
1132338	WLFL1 USACE PL 84-99 UPPER SNO	(\$48,241)
1116342	WLFL2 DUTCHMAN RD REPAIR	\$192,770
1130516	WLFL2 DUVALL SLOUGH 2017 IMPRV	(\$122,063)
1140147	WLFL2 FALL CITY FLOODPLAIN RESTORATION	\$300,000
1137352	WLFL2 FISH HATCHERY RD BR #61B REPAIR	\$434,000
1139119	WLFL2 JOY 2020 REPAIR	\$500,000
1044580	WLFL2 L SNO REP LOSS MITGTION	(\$416,258)
1130513	WLFL2 L SNO SCOUR REPAIR 2017	(\$7,589)
1044576	WLFL2 L SNO/ALDAIR CORRDR PLN	(\$276,600)
1130515	WLFL2 SNOQUALMIE VALLEY FEAS	\$250,000
1134344	WLFL2 STOSSEL LONG TERM REPAIR	\$350,000
1129366	WLFL3 GIRL SCOUT LEVEE 2016 REPAIR	(\$144,921)
1132019	WLFL3 HOLBERG FEASIBILITY	\$11,088
1131803	WLFL3 LOWER FREW LEVEE SETBACK	\$437,113
1131563	WLFL3 RIO VISTA PROPERTY ACQ	\$1,638,000
1044645	WLFL3 SAN SOUCI NBRHOOD BUYOUT	\$30,000
1131560	WLFL3 SEDIMENT MGMT FEAS	(\$177,652)
1131559	WLFL3 TOLT R LEVEE L.O.S. ANALYSIS	\$185,191
1112058	WLFL3 TOLT R MILE 1.1 ACQ	(\$40,348)

1131565 WLFL3 TOLT R RD SAN SOUCI ELEVATION	\$200,000
1044647 WLFL4 ALPINE MANOR NEIGHBORHOOD BUYOUT	(\$69,650)
1132632 WLFL4 RAGING MOUTH TO BR 2017 REPAIR	(\$233,141)
<b>TOTAL SNOQUALMIE BASIN</b>	<b>\$16,770,601</b>

### Cedar River Basin

1130555 WLFL5 ALLEN LK OUTLET IMPRVMT	\$445,000
1139121 WLFL5 IRWIN R 2020 REPAIR	\$275,000
1139124 WLFL5 JEROME 2020 REPAIR	\$200,000
1139125 WLFL5 MOMB 2020 REPAIR	\$60,000
1112037 WLFL5 WILLOWMOOR FLDPLAIN REST	\$1,000,000
1140150 WLFL6 148TH AVE SE LARSEN LK BELLEVUE	\$400,000
1137403 WLFL6 BEAR CRK FLOOD EROSION REDMOND	\$550,000
1137759 WLFL6 FACTORIA BLVD DRAINAGE	\$3,721,000
1116846 WLFL6 LOWER COAL CRK PH I	\$300,000
1139129 WLFL7 BELMONDO 2020 REPAIR	\$100,000
1139130 WLFL7 BRODELL 2020 REPAIR	\$450,000
1139696 WLFL7 BYERS NEIGHBORHOOD IMPROVEMENTS	\$220,000
1044734 WLFL7 CDR PRE-CONST STRTGC ACQ	\$2,068,824
1139131 WLFL7 CEDAR RAPIDS ELJ6 2020 REPAIR	\$136,000
1134342 WLFL7 CEDAR RES FLOOD MITIGATION	\$2,400,000
1044729 WLFL7 CEDAR RVR GRAVEL REMOVAL	\$268,551
1138280 WLFL7 CRT SITE 2 2020 REPAIR	\$55,000
1139132 WLFL7 CRT SITE 5 2020 REPAIR	\$250,000
1139187 WLFL7 CRT2 ZONE D 2020 REPAIR	\$143,000
1139188 WLFL7 DORRE DON AVULSION ANALYSIS	\$50,000
1139698 WLFL7 DORRE DON NBHOOD IMPRVMT	\$2,400,000
1131550 WLFL7 JAN ROAD NEIGHBORHOOD	\$672,562
1131689 WLFL7 LOWER CEDAR FEASIBILITY STUDY	\$120,000
1131548 WLFL7 LOWER JONES ROAD NEIGHBORHOOD	\$681,352
1130557 WLFL7 SR 169 FLOOD REDUCTION	\$2,593,492
1139189 WLFL7 TABOR-CROWALL 2020 REPAIR	\$250,000
<b>TOTAL CEDAR RIVER BASIN</b>	<b>\$19,809,781</b>

### Green River Basin

1129569 WLFL8 BRPS CONTROL BLDG RPLCMT	(\$1,344,864)
1130020 WLFL8 BRPS FISH PASS IMPRVMTS	\$550,000
1129574 WLFL8 BRPS HIGH-USE ENGINES	\$4,256,549
1139702 WLFL8 BRPS SEISMIC UPGRADES	\$500,000
1130024 WLFL8 BRPS SUPPORT SYS UPGRADES	\$448,851
1137760 WLFL8 COVINGTON CR BLACK DIAMOND	\$2,002,000
1138676 WLFL8 DESIMONE MAJOR REPAIR USACE	\$770,000
1139190 WLFL8 FORT DENT 2020 REPAIR	\$200,000
1135536 WLFL8 GALLI-DYKSTRA 2020 REPAIR	\$360,095
1129577 WLFL8 GALLI-DYKSTRA FEASIBILITY	\$9,940
1044961 WLFL8 GREEN PRE-CONST ACQ	\$2,208,868
1044882 WLFL8 GREEN R PL84-99 MITIGATN	(\$387,173)
1132391 WLFL8 HSB BREDA SETBACK KENT	(\$5,259,821)
1112056 WLFL8 LWR RUSSELL LEVEE SETBACK	\$21,518,860
1127209 WLFL8 OLD JEFFS FARM REVETMENT	\$524,394

1130562 WLFL8 SIGNATURE PT REVETMENT KENT	\$28,200,419
1137761 WLFL8 TUK-205 GUNTER FLOODWALL	\$9,423,000
1129367 WLFL8 TUK-205 USACE GACO-SEGALE	(\$6,015,596)
<b>TOTAL GREEN RIVER BASIN</b>	<b>\$57,965,522</b>

**White River Basin**

1137405 WLFL9 212TH AVE SE MITIGATION	\$36,000
1130560 WLFL9 CHARLIE JONES US CULVERT	\$157,666
1112049 WLFL9 COUNTYLINE TO A STREET	(\$78,290)
1112038 WLFL9 RIGHT BANK LEVEE SETBACK	\$867,200
1135541 WLFL9 STUCK R DR 2019 REPAIR	(\$39,857)
<b>TOTAL WHITE RIVER BASIN</b>	<b>\$942,719</b>

**Countywide Costs**

1139192 WLFLG COASTAL EROSION/FLOODING GRANTS	\$3,000,000
1139193 WLFLG CULVERT & FISH PASSAGE GRANTS	\$3,000,000
1122628 WLFLG FLOOD REDUCTION GRANTS	\$3,000,000
1139194 WLFLG URBAN STREAMS GRANTS	\$3,000,000
1117333 WLFLG WRIA GRANTS	\$9,762,382
1112022 WLFLM EFFECTIVENESS MONITORING	\$1,214,460
1045042 WLFLO SUBREGNL OPPRTNTY FUND	\$5,974,680
1044279 WLFLX FLOOD EMERGENCY CONTGNCY	\$250,000
<b>TOTAL COUNTYWIDE COSTS</b>	<b>\$29,201,522</b>

**TOTAL CAPITAL BUDGET** \$124,690,145

**Flood Control District Total** \$140,200,499

Notes:

1) The amounts shown here represent the budget as adopted in Resolution FCD2020-22.3. It is the new appropriation for 2021 and does not include carryover budget from the prior year. It is anticipated the FCD Board of Supervisors will adopt the carryover additions to the budget in the second quarter of 2021.

2) Amounts in red are reductions in budget, reflecting disappropriations due to project delay, deferral, or closeout.