

King County Flood Control District Semi-Annual 2020 Performance Report

October 2020



King County

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II. Flood Control District Resolution 2015-16 Text

This semi-annual report is required by an Interlocal Agreement between King County and 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 the primary Service Provider to the District, from April through September 2020.

The report details accomplishments and progress within the RFMS’s six core program areas that occurred during the reporting time period.

- Structural Protection: Eight capital projects are under construction or are scheduled for construction in 2020 subject to final approval of all necessary permits.
- Hazard Identification and Mitigation: Channel Migration Zone studies have been initiated for the Greenwater and Lower Snoqualmie Rivers, and a contract for Levee Breach Analysis is moving forward, subject to recent updated direction from the District to modify the scope of the Levee Breach Analysis.
- Assessment Management: Inspections of all facilities within RFMS’s River Facility Inventory will be completed this year, including an assessment of needed maintenance and repairs.
- Flood Warning Program: The Flood Warning Program’s response to last season’s early and severe flood season is included as a summary. The full [2019-2020 Flood Season Report](#) is also available. Operational changes are being made, including co-location of the Flood Warning Center with the county’s Emergency Management offices in Renton to ensure the program’s continuity due to COVID-19 and teleworking accommodations. Annual flood season trainings have begun, and the annual flood brochure is under development per the District’s direction.
- Consulting to County Agencies: DNRP staff have been responding to a [Federal Emergency Management Agency](#) (FEMA) audit of the county’s floodplain management code and its implementation, and partnering with the District on joint communications about recent FEMA map updates.
- Risk Reduction through Partnerships: Capital project design and construction progress continues to be made by regional partners, including culvert and other drainage improvements by the City of Bellevue, City of Seattle, the Road Services Division of the Department of Local Services (DLS),

and grant program partners.

The District has authorized three separate funding programs within the capital program: the Subregional Opportunity Fund, Cooperative Watershed Management Grants, and the Flood Reduction Grant program. Total 2020 expenditures to date through August are approximately \$4.2 million, or eight percent of the 2020 budget.

The District approved 25 new Flood Reduction Grants, and added funds to twelve existing grants, for a total of \$5.9 million. The District approved \$9.8 million in Watershed Management Grants for 62 new awards in July. This amount reflects an earlier District Board decision to double the amount of funding for this grant category. During this period, grant recipients closed out six Flood Reduction Grants, valued at \$855,000 and ten Watershed Management Grants worth \$973,000.

Appendices B, C, D include 2020 Expenditures through September 2020.

IV. Background

Department Overview: The King County Department of Natural Resources and Parks 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.

The Water and Land Resources Division protects public safety and ecosystem functions in watersheds throughout the County. The division has developed comprehensive programs for flood hazard protection, storm and surface water, stewardship, groundwater, water quality, land acquisition and management, agriculture, habitat restoration, design and construction of drainage and water quality facilities.

Historical Context: The Metropolitan King County Council created the Flood Control 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 service provider to the District.

Current Context: WLRD's work program for the District is comprised of six core program areas. This report provides the District's Board of Supervisors with the status of work completed from April through September 2020 for the six core program areas:

- 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.*
- Consulting to County Agencies - *Supporting floodplain-related development regulations and public safety work.*
- Risk Reduction Through Partnership - *Supporting regional partners to reduce risk.*

Report Methodology: The semi-annual report was developed by WLRD staff. Data was gathered from program leads and subject matter experts to provide a status update on the District’s adopted work program. The report leverages previous county reports including the 2019-2020 Flood Season Report and monthly status updates on facility inspections.

V. Report Requirements

The ILA between the District and County calls for annual and semi-annual reports “outlining and summarizing implementation of the annual work program.” A summary of the six core program areas is provided below.

A. Structural Protection

Eight construction projects were under construction or are scheduled for construction (subject to securing all necessary permits) in 2020, including the Lower Russell Levee on the Green River the largest project RFMS has ever constructed on behalf of the District. At this time, RFMS is on pace for 2020 to be a record year for capital project spending and delivery.

Highlights of progress in 2020 on high profile structural protection projects identified in the District’s 2020-2025 capital investment program to reduce flood risk through improvements to levees and revetments include:

2020 Capital Project Development and Implementation Activities

Project Name and Location	Planned Action	Purpose	Cost Estimate*
Lower Russell Setback Levee and Floodwall, Kent, Green River	2020 Construction (Phases 1 and 2)	Phase 1 floodwall and water main construction completed in July 2020; Phase 2 construction to build a new setback levee, habitat restoration and recreation enhancements is currently underway, and will continue through 2022.	\$54 million
Shake Mill Right Bank, North Fork Snoqualmie River	2020 Construction, subject to securing final permits	Repair revetment to protect 428th Ave SE and North Fork Bridge. Construction was completed in September 2020.	\$600,000
Black River Pump Station, Renton, Green River	2020 Construction (High Use Engines)	Construction of the high-use engines at the Black River Pump Station is underway in Q4; these engines are essential to managing water levels and preventing flooding in the City of Renton during normal conditions.	\$5.4 million
Timberlane Village, South Fork Skykomish River	2020 Construction, subject to	Construct repair to a damaged revetment to protect residential area; scheduled for October 2020.	\$600,000

Project Name and Location	Planned Action	Purpose	Cost Estimate*
	securing final permits		
Stuck River Revetment Repair, White River	2020 Construction	Construct repair to a damaged revetment to protect critical public infrastructure; construction completed in August 2020.	\$606,000
Tukwila Trail Revetment, Green River	2020 Construction	Repair damage from February 2020 flood disaster to protect Green River Trail. Construction is scheduled for October 2020.	\$500,000
Cedar River Trail Site 2 Repair	2020 Construction	Following emergency stabilization repair due to the February flood disaster, construct upstream repair of revetment as part of Riverbend project. Construction scheduled for October 2020.	\$1,233,000
Stossel Emergency Repair Mitigation, Snoqualmie River	2020 Construction	Following downstream revetment repairs to protect the roadway completed in 2017 and 2018, complete permit mitigation requirements by installing large wood.	\$1.1 million
Reinig Road Revetment repair (bank stabilization), City of Snoqualmie, Snoqualmie River	Engineering design and permitting	Design and permitting of revetment repair to protect Canyon Springs water main, Puget Sound Energy transmission line, and Reinig Road. Construction scheduled for 2021.	\$6.3 million
Herzman Levee, Cedar River	Engineering design and permitting	Conduct engineering design and acquire property necessary for the construction of the Herzman Levee setback (a project that moves the levee back from the edge of the river to create more storage space for flood water in the channel). The project will protect SR 169, a regional trail, and regional fiber optic line under the trail. Now combined with repairs to Camp Freeman and Buck's Curve facilities. Construction scheduled for 2023.	\$6.5 million
Jan Road Levee, Cedar River	Engineering design and permitting	Design and permitting for the Jan Road levee setback mitigation project. The project provides salmon habitat mitigation for large wood removal to address hazards to public safety and	\$10 million

Project Name and Location	Planned Action	Purpose	Cost Estimate*
		infrastructure on the Cedar River in 2017. Construction anticipated in 2022.	
Galli/Dykstra Levee, Auburn, Green River	Engineering design	Increase height of levee to improve flood protection for the City of Auburn. Construction anticipated in 2021.	\$775,000
Old Jeffs Farm, Green River	Engineering design and permitting	Complete initial design to protect agricultural buildings and land from channel migration. Project on hold, pending decision from FCD.	\$4.2 million
Pacific Right Bank Levee, Pacific, White River	Engineering design and permitting	Environmental impact evaluation to support design development of a new Pacific Right Bank levee to increase flood protection for the City of Pacific in 2024. Selection of a preferred alternative is scheduled for December 2021.	\$31.3 million

*Cost estimates include planning, design, real estate, permitting, construction, post-project maintenance and monitoring, and contingency.

B. Hazard Identification and Mitigation

During the spring and summer of 2020, technical work was initiated for two new Channel Migration Zone (CMZ) studies for the Greenwater and Lower Snoqualmie Rivers. The CMZ maps identify areas along rivers that are subject to channel migration hazards when rivers move laterally across their floodplain, which can undermine houses, roads, and infrastructure, wash away property, and threaten lives.

RFMS has begun collecting historic aerial photographs of the river channels. Light Detection and Ranging (LiDAR) and aerial imagery have been acquired to document 2020 river channel locations. Residents in proximity to the rivers were notified by mail in late July that RFMS staff would begin making observations of river channel and flood facility conditions. Field work for the studies got underway in September.

The information shown on the CMZ hazard area maps is intended to reduce risk to the public by serving as the basis for regulating land use in CMZ areas within unincorporated King County. The nature and extent of development is limited within these hazard areas so that lives and critical public infrastructure are not placed in harm’s way. The maps can also be used by property owners to inform land use decisions. Preparation of the CMZ study and map is required by State law, specifically the Washington State Shoreline Management Program ([WAC 173-26-221](#)).

Levee Breach Analysis

Following the 2019 Levee Breach Analysis [report](#) recommendations, a subsequent effort was initiated in 2020 to conduct a levee breach analysis and risk evaluation along six river levee containment systems in King County. A consultant contract was awarded in July for engineering consulting services to complete an estimated \$4.4M scope of work. At the direction of the District Executive Director, the scope was

revised in August to remove the Green River study area, reducing the contract value to \$2.675M. The contract is expected to be executed in October with consultant work tasks underway later in the month.

C. Asset Management

As directed per Section 14 of [FCD resolution 2019-13.2](#), RFMS has transmitted monthly status updates on facility inspections that reflect a comprehensive summary of the facilities within WLRD's River Facility¹ Inventory (RFI). The inventory includes information about the most recent inspections, status of any follow-up actions identified by the inspections, and facility status in federal cost-share programs for levees (through the U.S. Army Corps of Engineers) and revetments (through FEMA). Of the 511 King County facilities in RFMS's inventory, 497 facilities (97 percent) have been inspected within the last two years (as of August 30) with fourteen facilities (three percent) to be inspected by the end of 2020, bringing the total to 100 percent of all facilities inspected on a two-year cycle. While the overall program target is to inspect all facilities on a two-year cycle, following the severe flooding in February and subsequent federal disaster declaration, every facility will be inspected in 2020.

D. Flood Warning Program

2019-2020 Flood Season Response

Under King County Code (KCC) [21.24A.240](#), flood season begins September 30. The first flood event took place during October (Flood Awareness Month) with the Snoqualmie River reaching Phase 4 (severe flooding) on October 21, 2019. Available records for the Snoqualmie River near Carnation gage indicate this was the highest flow to occur during the month of October since 1934. A total of seven flood events occurred in King County during the 2019-2020 season, above the average of 5.4 over the past ten years. Monthly rainfall totals were far greater than average throughout the region in December, January and February. SeaTac Airport had 28 days of measurable precipitation in January, tying the highest number on record.

On January 31, 2020, the Flood Warning Center opened as an atmospheric river² arrived in the area bringing heavy and sustained rain. The next atmospheric river arrived without enough time to allow for sufficient release of water from several dams on regulated rivers. The Flood Warning Center opened again on February 5, 2020, three days after closing from the previous flood event. The combination of prolonged rainy conditions, high river flows, saturated soils and elevated pools behind dams caused some areas in King County to experience the most severe flooding in decades.

Post-flood recovery activities began ramping up as the Flood Warning Center was closing on February 11, 2020. Since the countywide February flood event, RFMS has completed inspections at nearly all facilities and has worked on repairs at 18 high-priority sites.

Flood Warning Center

In preparation for the upcoming flood season, RFMS staff have developed a plan to ensure continuity of operations for King County's Flood Warning Center in light of the COVID-19 pandemic and DNRP's transition of employees to permanent teleworking through [GreenWhereWeWork](#). The Flood Warning Center is a critical countywide resource that provides information to residents, businesses, property owners and emergency response officials before, during and after flood events. To ensure

¹ A river facility is a revetment or levee designed to provide flood risk reduction: revetments generally prevent erosion and channel migration but do not contain flood flows, whereas levees contain some flood flows.

² An atmospheric river is a concentrated column of water vapor that moves with the weather.

responsiveness and the safety of staff, the following operations and procedures have been implemented:

- The Flood Warning Center will operate from the King County Emergency Management (KCEM) building in Renton during moderate to major flood events. The Flood Warning Center will operate remotely from staff workspaces during all other flood events.
- Flood Monitoring and Flood Patrol staff will operate using current local, state and federal guidance for workplace safety.
- The Flood Warning Program has implemented technology improvements outlined in the [2019-2020 Flood Season Report](#) to allow for remote operations during smaller flood events and efficiencies in operations.
- The Flood Warning Program has adapted operation logistics related to the use of the KCEM facility, including guidance on when flood conditions require it to be opened, procedures for direct coordination with KCEM staff, and procedures for remote operation of the Flood Warning Center.

The King County Flood Warning Program held two annual trainings online in October for staff that operate the Flood Warning Center and conduct Flood Patrols. The training materials and detailed documentation have also been made available to staff online.

Flood Brochure

For the fourth year in a row, RFMS staff are supporting the District to complete the District’s annual “Be Flood Ready” brochure. Under King County Code (KCC) [21.24A.240](#), flood season begins September 30. The purpose of the brochure is to provide every floodplain resident of King County with basic flood preparation information at the beginning of flood season so that residents can prepare for flooding and take action to reduce flood risks. For the last four years, the District has directed WLRD to prepare brochures customized for Council Districts 3, 5, 7, and 9 in addition to a general brochure for all other floodplain residents. This year, RFMS is planning to mail out the countywide and customized brochures during the month of October. The brochures will be translated into 21 languages and made available on the County’s [website](#).

E. Consulting to County Agencies

FEMA Community Assistance Visit

RFMS staff continue to provide floodplain management technical support and expertise to the Permitting Division in the Department of Local Services (DLS), related to the implementation of the floodplain management code ([KCC 21.24A](#)) in order to maintain National Flood Insurance Program (NFIP) membership and excellent Community Rating System standing. RFMS staff are the key point of contact for FEMA. In 2019, FEMA Region 10 began an audit of King County’s floodplain management program. The purpose of the audit is to make sure that as a NFIP community, King County’s floodplain management regulations meet minimum standards, that the permitting process is in order, and to reconcile any past issues that have been identified through field visits. To address audit findings, revisions to KCC 21.24A were made and adopted in 2020.

FEMA staff also identified 71 properties of concern during field visits: some of the identified sites are open DLS land-use enforcement cases, some have a nexus with FEMA’s [Biological Opinion](#) compliance, and the remaining properties have other floodplain management concerns. RFMS staff continue to consult with DLS as they work through these audit findings. Due to the time necessary to coordinate

with landowners on compliance issues and confirm documentation within FEMA's review process, it is expected to be one to two years before FEMA will consider the audit complete.

RMFS and the District developed a joint letter to floodplain residents alerting them to updated FEMA flood hazard maps that went into effect in August 2019, providing a tool to easily access the new maps for their location and encouraging them to contact their flood insurance provider or to explore flood insurance purchase. The letter was sent to floodplain residents in unincorporated King County and cities that indicated they would like their residents to receive this information.

F. Risk Reduction through Partnership

Highlights during the reporting period include:

- Reimbursements of \$3.2 million to the City of Bellevue for improved culverts at multiple locations on Coal Creek to reduce flooding of residential properties and roads.
- Reimbursement of \$314,000 to the City of Seattle for drainage improvements in the South Park neighborhood, and \$421,000 for a culvert replacement on Puget Creek.
- The Road Services Division of DLS: Approximately \$17.3 million has been allocated for projects intended to reduce flooding or erosion of King County roads and bridges. During the reporting period, WLRD reimbursed expenditures for the Madsen Creek culvert project in the Fairwood neighborhood, and a bridge feasibility study on Fifteenmile Creek. Based on feasibility work funded by the District, the Road Services Division was able to secure a \$3.5 million grant from the U.S. Department of Transportation to design a bridge replacement.

The District has authorized three separate funding programs within the capital program. The combined 2019 budget authority for the [Subregional Opportunity Fund](#), [Cooperative Watershed Management Grants](#), and the [Flood Reduction Grant program](#) is \$52 million. Total 2020 expenditures to date through August are approximately \$4.2 million, or eight percent of the 2020 budget; historically, the District has carried over unspent capital budget.

The District approved 25 new Flood Reduction Grants, and added funds to twelve existing grants, for a total of \$5.9 million. The District approved \$9.8 million in Watershed Management Grants for 62 new awards in July. This amount reflects an earlier District Board decision to double the amount of funding for this grant category. During this period, grant recipients closed out six Flood Reduction Grants, valued at \$855,000 and ten Watershed Management Grants worth \$973,000.

VI. Conclusion

This report provides the District Board of Supervisors with the status of flood risk reduction project and program milestones completed by King County government from April through September 2020.

The report details accomplishments and progress within the RFMS's core program areas during the reporting time period.

- Structural Protection: Eight capital projects are under construction or are scheduled for construction in 2020 subject to final approval of all necessary permits.

- Hazard Identification and Mitigation: Channel Migration Zone studies have been initiated for the Greenwater and Lower Snoqualmie Rivers, and a contract for Levee Breach Analysis is moving forward, subject to recent updated direction from the District to modify the scope of the Levee Breach Analysis.
- Asset Management: Inspections of all facilities within RFMS’s River Facility Inventory will be completed this year, including an assessment of needed maintenance and repairs.
- Flood Warning Program: The Flood Warning Program’s response to last season’s early and severe flood season is included as a summary. Operational changes are being made, including co-location of the Flood Warning Center with the county’s Emergency Management offices in Renton to ensure the program’s continuity due to COVID-19 and teleworking accommodations. Annual flood season trainings have begun, and the annual flood brochure is being developed per the District’s direction.
- Consulting to County Agencies: DNRP staff have been coordinating a FEMA audit of the county’s floodplain management code and its implementation, and partnering with the District on joint communications about recent FEMA map updates.
- Risk Reduction through Partnerships: Progress continues to be made by regional partners.

The important actions described in the report represent the Flood Control District’s comprehensive approach to floodplain management, 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 Revised Operating & Capital Budget

Appendix C. King County Flood Control District Operating Expenditures, April – September 2020

Appendix D. King County Flood Control District Capital Expenditures, April – September 2020

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 of this 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 3rd 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

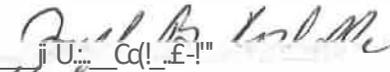


Dow Constantine
King County Executive

12/29/15
Dated

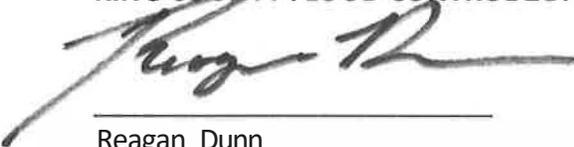
Approved as to Form:

Dan Satterberg
King County Prosecuting Attorney

By: 
Senior Deputy Prosecuting Attorney

»j;rfl-YJ
Dated

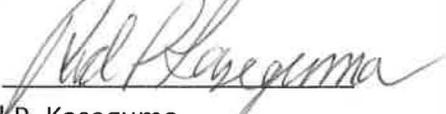
KING COUNTY FLOOD CONTROL ZONE DISTRICT



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

Appendix B. King County Flood Control District 2020 Revised Operating & Capital Budget

Operating Budget	Total
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
Total	\$13,739,210

Capital Budget	Total
Snoqualmie River Basin	\$24,669,506
Cedar River Basin	\$27,406,257
Green River Basin	\$92,466,382
White River Basin	\$3,002,929
Effectiveness Monitoring	\$1,188,300
Countywide Miscellaneous	\$1,788,575
Opportunity Fund	\$22,626,278
Grant Fund	\$29,399,211
Total	\$202,547,438

Appendix C. King County Flood Control District Operating Expenditures, April - September 2020

Description	Apr	May	Jun	Jul	Aug	Sep	Total
Annual Maintenance	\$81,293	\$92,874	\$275,203	\$191,367	\$51,207	\$108,057	\$800,002
Flood Hazards Plan, Grants, Outreach	\$37,304	\$33,124	\$39,005	\$44,791	\$35,634	\$46,805	\$236,663
Flood Hazard Studies, Maps, Technical Services	\$161,814	\$154,031	\$203,471	\$95,957	\$183,860	\$275,670	\$1,074,802
Flood Preparation, Flood Warning Center	\$234,781	\$26,440	\$42,787	\$15,002	\$24,974	\$21,655	\$365,639
Program Management, Supervision, Finance, Budget	\$231,546	\$129,185	\$153,998	\$162,775	\$163,692	\$155,260	\$996,456
Program Implementation	\$26,426	(\$19,419)	\$122,763	\$136,882	\$78,145	\$141,545	\$486,342
Overhead / Central Costs	\$692,110	\$99,495	\$281,341	\$436,205	\$200,356	\$184,059	\$1,893,566
Total	\$1,465,276	\$515,730	\$1,118,568	\$1,082,980	\$737,866	\$933,050	\$5,853,469

Appendix D. King County Flood Control District Capital Expenditures, April- September 2020

Basin	Apr	May	Jun	Jul	Aug	Sep	Total
Skykomish/Miller Rivers	\$1,324,629	\$77,824	\$16,461	\$20,277	\$14,548	\$22,747	\$1,476,486
Upper Snoqualmie River	\$154,430	\$149,100	\$75,298	\$208,686	\$123,355	\$143,408	\$854,277
Lower Snoqualmie River	(\$29,379)	\$5,777	\$17,654	\$33,298	\$53,947	\$40,550	\$121,847
Tolt River	\$31,313	\$54,303	\$1,117,794	\$45,235	\$39,953	\$43,570	\$1,332,169
Raging River	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sammamish River	\$4,747	\$7,677	\$7,497	\$39,093	\$16,359	\$16,846	\$92,220
Major Lake Tributaries	\$3,235,771	\$0	\$0	\$47,125	\$128	\$153,260	\$3,436,284
Cedar River	\$495,045	\$250,584	\$131,916	\$306,673	\$101,021	\$201,837	\$1,487,077
Green River	\$1,949,804	\$3,090,225	\$681,729	\$1,082,977	\$2,529,452	\$1,944,608	\$11,278,796
White River	\$44,577	\$249,412	\$138,765	\$165,951	\$282,349	\$125,568	\$1,006,621
Grant Funds	\$203,018	\$243,291	\$244,574	\$245,727	\$308,629	\$434,320	\$1,679,559
Monitoring/Maintenance	\$79,034	\$95,584	\$61,458	\$25,232	\$51,667	\$71,428	\$384,403
Subregional Opportunity Fund	\$995,491	\$78,071	\$227,312	\$651,470	\$1,843,326	\$329,048	\$4,124,719
Countywide Miscellaneous	\$83,980	(\$105,200)	\$36,541	\$54,156	\$38,800	\$12,685	\$120,962
Total	\$8,572,460	\$4,196,649	\$2,757,001	\$2,925,903	\$5,403,534	\$3,539,874	\$27,395,420