

**KING COUNTY** 

1200 King County Courthouse 516 Third Avenue Seattle, WA 98104

# **Signature Report**

# November 15, 2017

# FCD Resolution FCD2017-07

	Proposed No. FCD2017-07.3 Sponsors
1	A RESOLUTION relating to the operations and finances of
2	the District, adopting the 2018 budget and authorizing
3	improvements.
4	WHEREAS, pursuant to RCW 86.15.140, the King County Flood Control Zone
5	District ("District") held a public hearing on the proposed 2018 budget of the District on
6	November 13, 2017, and
7	WHEREAS, the board of supervisors ("the Board") desires to adopt the District's
8	2018 budget, and
9	WHEREAS, by Ordinance 15728, the King County council adopted the District's
10	initial comprehensive plan of development for flood and stormwater control, which is
11	titled "2006 King County Flood Hazard Management Plan," and by Resolution
12	FCD2011-05.1, the District Board amended the initial plan to include a project in the city
13	of Seattle (collectively, "the District Comprehensive Plan"), and
14	WHEREAS, pursuant to RCW 86.15.110, the Board must approve by resolution
15	all flood control and storm water control improvements, prior to the extension,
16	enlargement, acquisition or construction of such improvements, and
17	WHEREAS, RCW 85.15.110, further provides that such approval resolution must
18	state whether the improvements are to be extended, enlarged, acquired or constructed;
19	state that the comprehensive plan has been adopted; state that the improvements generally

20	contribute to the objectives of the comprehensive plan; state that the improvements will
21	benefit the county as a whole; state the estimated costs of the improvements; and identify
22	the data supporting the estimated costs, and
23	WHEREAS, the Board desires to approve improvements in the District's 2018
24	budget that are not in the District Comprehensive Plan, or that have been modified by the
25	District's 2018 budget, in accordance with RCW 85.15.110, and
26	WHEREAS, the District reaffirms its commitment to the effective and efficient
27	implementation of capital projects by contracting with King County, as its primary
28	service provider, and other jurisdictions when appropriate;
29	NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF
30	SUPERVISORS OF THE KING COUNTY FLOOD CONTROL ZONE DISTRICT:
31	SECTION 1. The Board hereby adopts the 2018 Budget for the District, as set
32	forth in Attachments A ("Work Program"), B ("Annual Budget"), C ("Annual Operating
33	Budget"), D ("2018 Capital Budget"), E ("2018 - 2023 Capital Budget"), F ("2018
34	Annual District Oversight Budget"), G ("2018 Subregional Opportunity Fund
35	Allocations") and H ("2018-2023 Capital Budget Project List"); provided that King
36	County, or other jurisdictions contracted to implement projects, work shall submit
37	predesign reports for capital projects to the District executive director, and shall seek
38	approval from the executive director of project charters. Furthermore, King County shall
39	provide to the District executive committee thirty percent design project reports for
40	authorization to proceed with sixty percent design.
41	SECTION 2. The Board approves the extension, enlargement, acquisition or

42 construction, as applicable, of the improvements that are included in the District

## FCD Resolution FCD2017-07

43	Comprehensive Plan, that are included in the District Comprehensive Plan but have been
44	modified by Attachments C, D and H to this resolution, or that are not included in the
45	District Comprehensive Plan but are identified in Attachments C, D and H to this
46	resolution (collectively, "the improvements"). The District Comprehensive Plan includes
47	the streams or water courses upon which the improvements will be enlarged, extended,
48	acquired or constructed. The Board determines that the improvements generally
49	contribute to the objectives of the District Comprehensive Plan and will be of benefit to
50	the county as a whole.
51	SECTION 3. The estimated costs of the improvements are stated in Attachments
52	C, D and H to this Resolution and the supporting data for the estimated costs are on file
53	with the director of the King County water and land resources division.
54	SECTION 4. For improvements that will be constructed, preliminary engineering
55	studies and plans either have been prepared or will be prepared, and have been filed or
56	will be filed, with the director of the King County water and land resources division.
57	SECTION 5. The Board authorizes the executive committee to modify project
58	budgets and schedules identified in Attachment H; provided that all changes must remain
59	within the identified basin and overall basin budget allocation as identified in
60	Attachments C and D.
61	SECTION 6. Section 3.6 of the interlocal agreement between the District and
62	King County provides that King County shall notify the District executive director in
63	writing if the county needs to modify or reprioritize capital projects. King County's
64	notifications to the District executive director should include information regarding
65	variations within project budgets of more than twenty percent in the "acquisition,"

- 66 "design," "construction," "contingency" and "total" expenditure categories, shown on
- 67 Attachment D to this resolution.
- 68

FCD Resolution FCD2017-07 was introduced on and passed as amended by the King County Flood Control District on 11/13/2017, by the following vote:

Yes: 8 - Mr. von Reichbauer, Mr. Gossett, Ms. Lambert, Mr. McDermott, Mr. Dembowski, Mr. Upthegrove, Ms. Kohl-Welles and Ms. Balducci No: 0 Excused: 1 - Mr. Dunn

	KING COUNTY FLOOD CONTROL DISTRICT KING COUNTY, WASHINGTON
	1 n
	ROLITAN
ATTEST:	Reagan Dunn, Chuir
Melani Pedroza	E County C Washington
Melani Pedroza, Clerk of the District	MOO North

Attachments: A. King County Flood Control District 2018 Work Program dated October 30, 2017, B. King County Flood Control 2018 Annual District Budget dated 11/8/17, C. King County Flood Control District 2018 Annual Operating Budget, dated 11/8/17, D. King County Flood Control District 2018 Annual Capital Budget, dated 11/8/17, E. King County Flood Control District 2018-2023 Six-Year CIP, dated 11/8/17, F. King County Flood Control District 2018 Annual District Oversight Budget, dated 11/8/17, G. King County Flood Control District 2018 Subregional Opportunity Fund Allocations, dated 11/8/17, H. King County Flood Control District 2018-2023 Six-Year CIP Project Allocations, dated 11/8/17

# Attachment A 2018 Budget Work Program October 30, 2017

Attachment A

## King County Flood Control District 2018 Work Program

The District work program is comprised of three categories: district oversight and policy development, operations, and capital improvements. The Flood Control District contracts with King County for operations and capital improvements.

- District Oversight and Policy Development
  - Policy direction to guide Advisory Committee and King County as service provider
  - Financial planning, budgeting, levy rate, bonding (if any)
  - Administration of contracts
  - o Asset management
  - Capital improvement priorities
  - o Capital improvement implementation evaluation
  - Public awareness priorities
  - Post flood event review and evaluation
  - Federal and state legislative agenda
  - o Legal services, financial management, and Washington State audit
- Operations Work Program
  - o Annual Maintenance
  - Flood Hazards Plan, Grants, Outreach
  - Flood Hazard Studies, Maps, Technical Services
  - Flood Preparation, Flood Warning Center, Post Flood Recovery
  - Program Management, Supervision, Finance, Budget
  - Program Implementation,
  - District Planning, Outreach, Policy and Technical Services
- Capital Improvement Program (CIP)
  - Capital Improvement Projects Acquisitions and Elevations
  - Programmatic capital funding (Subregional Opportunity Fund, Cooperative Watershed Management Grants, Flood Reduction Grants)

### 2018 Priorities:

### Management & Budget

- Seek federal assistance with US Army Corps issues
- Align capital expenditure schedules
- Provide budget issue requests to Advisory Committee

### Policy Development

- Equity and Social Justice Policy
- o Evaluate Home Elevation Program to recommend policy changes to make program more effective

and accessible for residents at risk of flooding

## **Capital Projects**

- Establish reporting format for delineating that portion a project's capital budget that meets habitat mitigation requirements and that portion dedicated to habitat restoration benefits
- o Reports from WLRD on capital project progress

# Real Estate

- o Update facility inventory and real estate records
- o Address property title issues

# **Planning and Studies**

- o Snoqualmie Middle Fork Planning Process
- o Lower Green River Planning Process
- o 2018 Flood Hazard Management Plan Update Process
- Levee Breach Study to evaluate and identify gaps in evacuation and shelter in place plans in areas impacted by a levee breech

# <u>Grants</u>

- o Monitor Opportunity Fund Project Implementation
- o Monitor WRIA Grant Progress and Identify Leveraging Opportunities
- Outreach for Flood Reduction Grants Program including funding opportunities for dam inundation mapping

# **Communications**

- Review and approve communications plans by Service Provider for planning processes, advisory committees, large wood, flood awareness, and special initiatives
- o Conduct media outreach and response on identified priorities
- Participate in public meetings on priorities
- o Web Site Upgrades

# King County ILA Service Provider Work Plan

# **Resource Management, Annual Maintenance, and Facility Monitoring**

**Program Summary:** Coordinate facility and property maintenance for the District, which includes 500 flood protection facilities covering 119 linear miles and approximately 800 acres of land managed for flood mitigation purposes. Facility inspections and assessments may lead to proposed repairs in the capital program. Inspections and assessments also help to increase the potential for federal funding assistance for future flood damages.

# Annual Maintenance Program:

 Manage work authorizations and coordinate with Department of Transportation (DOT) Road Services Division, Washington Conservation Corps, work crews from the Road Division, Earth Corps, the Department of Juvenile and Adult Detention's Community Work Program, or contractors on completion of maintenance activities:

- Facility mowing
- Access gate maintenance
- Access road maintenance
- Noxious and non-native plant removal
- o Irrigation and watering
- Interpretive sign installation and maintenance.
- Coordinate design of facility and acquisition property re-vegetation projects.
- Coordinate design and implementation of volunteer planting and other land stewardship projects.
- Provide land and resource management including management of lands for appropriate levels of public access.
- Inspect, assess and, if necessary, remove hazardous trees.
- Collect and remove garbage from fee-simple owned property.

### Flood Protection Facility Assessment and Monitoring Program

- Develop methods for facility inventory/assessment program.
- Conduct annual, spring and fall, facility assessments.
- Conduct, or assist with, post-flood damage assessments.
- Produce annual report on facility conditions.

#### Facility Maintenance and Repair Program

- Conduct or assist with facility assessments, consistent with the facility assessment and monitoring program.
- Coordinate with the U.S. Army Corps of Engineers (Corps) on PL 84-99 levee inspections including vegetation management, permitting, and mitigation (as necessary).
- Support or lead staff on the Green River Pump Station Operation and Maintenance Program.

# Sediment Management, Large Woody Debris, In-stream Management Program

- Coordinate sediment management program/project actions to reduce flood risks.
- Coordinate large woody debris program/project actions to reduce flood risks.
- Monitor other in-stream hazards and coordinate associated flood risk reduction actions.

# Flood Hazard Plan, Grants, Repetitive Loss Mitigation, and Public Outreach

**Program Summary:** Manage repetitive loss area mitigation coordination, public outreach, flood hazard management planning, and grant preparation. Repetitive loss mitigation is generally achieved by buying or elevating at-risk homes. While buyouts and elevations are funded via the capital program, the planning, prioritization, and the Federal Emergency Management Agency (FEMA) grant submittals are funded via the operating program. Most operating costs for grant development are reimbursable if the FEMA grant is awarded. Public outreach for specific capital projects is funded through the capital program; basin-wide outreach regarding on-going and planned capital projects is considered an operating expense.

### Repetitive Loss Area Mitigation Planning

Program

- Track repetitive loss area and repetitive loss property information.
- Provide ongoing program database updates, including tracking property owner communications, interest, and staff recommendations for mitigation options.
- Manage and administer King County's Home Buyout and Elevation Program consistent with District acquisition policies.

## Public Outreach and Communications Program

- Provide increased citizen preparedness for floods.
- Provide community outreach support for capital projects.
- Conduct annual basin-wide meetings and outreach regarding the full range of floodplain management activities, whether on-going or planned.
- Support media relation activities.
- Coordinate citizen involvement, and prepare and facilitate public meetings.
- Coordinate updates to webpage and other outreach and educational materials.
- Coordinate outreach to landowners with facility easements regarding maintenance work.
- Coordinate with the District to implement communications protocols.

Community Rating System (CRS) and federal Disaster Mitigation Act Coordination

- Manage the CRS program consistent with the newly adopted federal CRS manual, including coordination with other CRS jurisdictions in King County through the CRS Users Group.
- Complete annual CRS recertification documentation.
- Coordinate/manage updates and process to the planning and regulatory processes for future flood plan updates, King County's Regional Hazard Mitigation Plan, King County Comprehensive Plan, Shoreline Master Plan, and Critical Areas Ordinance. This includes coordination with other jurisdictions.

#### Grants Program

If resources are available, the following types of grant activities may be included:

- Develop grant applications for FEMA hazard mitigation assistance grants as well as postflood funding. Develop other grant applications to support capital project implementation.
- Administer the biennial Washington State Department of Ecology Flood Control Assistance Account Program (FCAAP) grant process and track successful grants to ensure timely reporting.
- Coordinate and assist with preparation of applications for all state and federal flood hazard mitigation grant processes.

Provide grant application technical assistance to cities and other stakeholders, as needed. Grant prioritization within WLRD shall be based on the following considerations, in order of significance:

- The impacts to public safety.
- The portion of the project directly related to flood reduction.
- The risks of potential damage to infrastructure, including but not limited to businesses, homes, farms, and roads.
- Efficiency of staffing hours.

In addition to grant alerts to the District, WLRD shall transmit a grant overview report to the District by June 30 of each year including information with a description of grants for which WLRD has applied and how the above priorities were taken into consideration.

# Flood Hazard Studies, Maps, and Technical Studies

**Program Summary:** Generate technical information used to characterize, quantify, and delineate flood risks, as well as to develop and implement strategies and actions to reduce those risks. Flood hazard technical information types include hydrologic and hydraulic studies, floodplain and channel migration zone maps, geologic studies, geographic information system (GIS) land use data, dam operations studies, risk assessments and flood hazard management corridor working maps. These technical assessments are used to inform the capital project feasibility, prioritization, and design process funded by the capital program.

- Conduct independently or with consultant contracts, as needed, the following technical study and mapping projects:
  - o Floodplain delineation and mapping
  - o Channel migration zone delineation and mapping
  - Channel monitoring
  - o Gravel removal studies and analysis
  - o Risk assessments
  - Hydraulic modeling
  - Landslide hazard mapping in areas that may intersect major river floodplains.
- Coordinate with FEMA and other local, state and federal agencies on mapping studies and products.
- Maintain accessible flood study and flood hazard data in a floodplain mapping library.

# Flood Preparation, Flood Warning Center and Post Flood Recovery Program

**Program Summary**: Implement a comprehensive approach to preparing and educating citizens for flood events, coordinating emergency response and regional flood warning center operations during flood events, and ensuring consistency across basins for post-flood recovery actions. Post-flood damage assessments may result in capital projects to repair damaged facilities. Flood and post- flood activities are tracked with a unique project number so that expenditures may be submitted for any federal assistance that becomes available following a federal disaster declaration.

### Flood Preparedness

- Coordinate flood hazard education program, communication tools (brochures, web content, customer service bulletins, etc.) to increase the awareness of flood risks and prepare citizens for flood events. This includes base-level participation in the regional Take Winter by Storm campaign.
- Track and disseminate flood hazard technical information to other King County departments (Department of Transportation (DOT), Department of Permitting and Environmental Review (DPER), etc.) and other local, state, and federal agencies.
- Coordinate annual flood awareness month and associated public information program strategy (meetings, websites, other) designed to increase the public's awareness of locally

available resources and information.

# **Regional Flood Warning Center**

- Staff the Regional Flood Warning Center monitoring and emergency first responder flood patrols during flood events.
- Coordinate with the following agencies in support of the Regional Flood Warning Center operations:
  - Local governments
  - City of Seattle and Corps on dam operations
  - National Weather Service on weather forecasts and flood predictions
  - King County Office of Emergency Management for coordinated emergency response activities
  - United Sates Geological Survey (USGS) on river gauging contract and gauge upgrades
  - King County DOT on road closures and emergency flood damage and repair response activities.
- Coordinate flood emergency response activities.

### Post-Flood Recovery Operations Program

- Complete preliminary damage assessments, and develop and track FEMA public assistance Project Worksheet completion, expenditures and general documentation.
- Coordinate with FEMA and Corps on flood damage repairs and federal funding opportunities; determine eligibility.
- Identify projects and complete grant applications for post-disaster FEMA Hazard Mitigation Grant Program opportunities.

# Program Management, Supervision; Finance, Budget and General Administration

**Program Summary:** Provide supervisory, budgeting, contract administration, and administrative services for the District.

### Management and Supervision Tasks

- Manage the technical and business operations of the District work program and staff.
- Develop annual operating and capital budgets, work programs and staff allocations.
- Provide supervision, technical assistance and quality control/assurance to staff.
- Carry out responsibilities for hiring, management performance, developing training expectations and recommending effective discipline and termination.
- Ensure programs and projects are completed to carry out the goals and objectives of the River and Floodplain Management Program.
- Work collaboratively with other government and regulatory agencies, departments within King County, and the public to address environmental policies and issues related to floodplain management principles, goals and objectives.

### Finance and Budget Operations

- Develop annual capital and operating budget.
- Track and report annual capital and operating budget, revenue and expenditures.
- Process approved reimbursement requests for Subregional Opportunity Fund, Water Resource Inventory Area (WRIA) Cooperative Watershed Management grants, and Flood Reduction grants.
- Provide grant and cost-share reporting, billing and documentation.
- Provide contract and procurement management, support and strategy. (Note: contract administration for specific capital projects is charged to the capital project budget rather than the operating budget.)
- Support capital project managers/engineers with detailed project expenditures, revenues, scheduling, contract management and other finance needs in support of CIP implementation.
- Contract record-keeping consistent with county, state, and federal policies and requirements.

# **General Administration**

- Records maintenance.
- Copying, filing, correspondence, and scheduling.
- Meeting preparation, coordination and support.
- Photo-documentation management.
- General program administrative support.

# **Compliance**

- Provide access to records including but not limited to contracts, invoices, timesheets.
- Respond to annual District audits, King County Council audits, state audits, grant-related audits, and quarterly procurement audits.
- File semi-annual and Annual Report with the Board of Supervisors and Executive Director in printed and electronic form for posting to the District website.
- Notify Executive Director in writing when project scope, budget or schedule change from the adopted capital improvement plan.
- Notify Executive Director of grant requests 30 days prior to grant due date or submittal
- Notify Executive Director of grant award within 10 days of grant approval.
- Work with Executive Committee and Executive Director to support the District's work with Advisory Committee.

# King County Flood Control District Program Implementation

**Program Summary:** Implement flood hazard management programs and coordinate capital improvement projects for the District. Teams of staff are organized by river basin, supported by countywide technical services and countywide planning services, and will be responsible for identifying, implementing, and tracking flood risk reduction program and project actions within a given basin. Staff also coordinate four basin technical committees with partner jurisdictions and maintain relationships with communities and other agencies.

Basin Team and Basin Technical Committee Program

- Staff and coordinate regular Basin Technical Committees.
- Implement work program to guide private property owner and community outreach

necessary to complete capital improvement projects.

- Develop ongoing relationships with cities, agencies, and stakeholders within the basin, and ensure consistency across basins.
- Coordinate on acquisition priorities with Acquisition Unit consistent with District acquisition policies.
- Coordinate and support logjam investigation and response/action.
- Respond to, investigate and provide technical assistance for enforcement on complaints and general inquiries. Conduct citizen and/or landowner contact, communication and outreach.
- Conduct annual public meetings about large wood.
- Coordinate with the DOT Road Services Division on construction crew scheduling.
- Provide quarterly project reporting to management.
- Address and seek resolution on basin-specific floodplain management issues.

# King County Flood Control District Advisory Committee Coordination

- Provide staff support to the Flood Control District Advisory Committee and the Board of Supervisors, as requested by the Executive Director.
- Track basin technical committee meetings, issues, and cross-basin policy issues.
- Coordinate public process across the District to ensure consistent outreach across basins.
- Report District activities, accomplishments, revenues and expenditures through an annual report.
- Respond to Advisory Committee and Board of Supervisors requests for information regarding rate structure options, and other issues.

### Flood Control District Committee Support

• Provide presentations and updates as requested by the Executive Director at meetings of the Executive Committee and Board of Supervisors.

Floodplain Management Planning

- Support Board discussions of policy issues, building on materials previously developed for the Citizens Committee.
- Support Board engagement in capital project planning efforts, including the development of goals and evaluating alternative flood risk reduction actions. Participate in basin planning and coordination efforts such as the Lower Snoqualmie Flood-Fish-Farm work group.

# Agriculture Needs Assistance

- Provide technical and modeling assistance and permitting support for farm pad proposals.
- Manage compensatory storage bank.
- Provide assistance to identify and pursue mitigation opportunities for barn and other farm structure elevations.
- Implement recommendations of the Farm/Flood Task Force as directed by District Executive Committee.
- Coordinate outreach to farmers and the King County Agriculture Commission to gather input on the unique needs of agriculture lands within flood hazard areas.

# Capital Improvement Program Implementation

**Program Summary:** The vast majority of the proposed District work program and budget is dedicated to the implementation of major maintenance and capital projects. This work includes managing and implementing major maintenance, repair and new flood protection facility design, permitting and construction; home buyouts and acquisitions; home and barn elevations; and farm pad cost-share assistance.

The capital projects include those projects to be completed by jurisdictions through the Subregional Opportunity Fund program with funding allocated proportional to assessed value of each jurisdiction, grants recommended through the WRIA cooperative watershed management program, and the flood reduction grant program.

Construction of flood protection infrastructure has paved the way for considerable residential, commercial and industrial economic development in flood hazard areas. The flood protection infrastructure has reduced the frequency of flooding and severity of erosion, and contained flood flows within levees that has allowed for significant economic growth by promoting development of historical floodplains, as exemplified by the industrial and commercial development lining the lower Green River. However, these areas will always face the potential risk that the flood protection facilities could be overwhelmed, resulting in serious flood damage, significant impacts to the regional economy, or personal injury and death. While the costs of flood protection facility construction and maintenance are borne by the public, the value to the economy is a regional benefit.

The CIP will complete high priority and regionally significant flood hazard management capital improvement projects to significantly protect public safety and reduce flood risks to the regional economy, transportation corridors, and public and private infrastructure and property. These capital improvement projects include retrofits and repairs to levees and revetments; levee setbacks to improve slope stability and increase flood conveyance and capacity; and targeted acquisition of repetitive loss properties and other at-risk developments.

The CIP will provide project design, construction and management on the following project implementation elements, consistent with WLR Division's Project Management Manual:

- Scope and Concept
  - o Identify problem, alternatives, recommended solution and project goals.
- Feasibility
  - Identify and conduct studies, analysis, cost estimates, resource needs, landowner issues.
- Acquisition
  - Obtain the necessary property rights to perform the work.
- Design and Permitting
  - Address all elements of the project (e.g. geomorphic, constructability)
  - Complete all federal, state and local permitting requirements (e.g. Corps, Endangered Species Act (ESA))
    - o Survey

- Conduct pre- and post-construction ("as-built") survey
- o AutoCAD
  - Develop design plan set
- Hydraulic Modeling
  - Conduct pre- and post-project modeling
  - Complete Letter of Map Revision (LOMR) for constructed projects, when/if warranted
- Ecological
  - Conduct pre- and post-construction monitoring
  - Complete pre-project feasibility studies/analysis
  - Provide project design support
  - Complete biological assessments/evaluations
    - o Individual
    - Programmatic
  - Complete Section 7 ESA consultation
  - Coordinate or support permitting and permit agency outreach
- State Environmental Policy Act (SEPA)
  - Complete individual project SEPA review
  - Complete programmatic SEPA review
- Geotechnical Engineering Support/Geologist/Geotechnical
  - Provide sediment management monitoring, analysis and modeling
  - Conduct pre- and post-construction monitoring
  - Conduct pre-project feasibility studies/analysis
  - Provide project design support
- Engineering (may include Project Management function as well)
  - Lead design engineer for projects
  - Manage construction of projects
  - Obtain resources for projects; make task assignments
  - Track and report project scope, schedule, and budget
  - Develop plan set for construction, or bid documentation support
  - Provide overall project quality assurance and quality control oversight
- Project Management
  - Obtain resources for projects; make task assignments
  - Track and report project scope, schedule, and budget
  - Provide overall project quality assurance and quality control oversight
  - Monitoring and Adaptive Management o
    - Pre-project baseline information o
      - Construction Monitoring
      - Conduct pre- and post-construction monitoring
      - Provide monitoring reports to DPER and other agencies as required.

# Central Costs/Overhead and Reimbursement from Capital

• This category includes use-based and FTE-based overhead costs from the Water and Land

Resources Division of the Department of Natural Resources and Parks and King County. Examples include use-based charges for the Prosecuting Attorney's Office, risk management, and the financial management system, as well as FTE-based charges for building rent and utilities. When staff loan out from the operating fund to the capital fund, the capital fund reimburses the operating fund for FTE-related overhead charges.

# 2018 Annual Budget

# Attachment B

11/8/17

Barran Barran	2016	2017	2017	2018
Program	Actuals	Approved	Revised	Requested
Flood District Administration	666,522	692,090	692,090	792,853
Maintenance and Operation	8,247,988	10,912,177	11,159,377	11,333,238
Construction and Improvements	42,256,253	59,859,737	142,472,126	53,496,926
Bond Retirement and Interest	\$0	\$0	\$0	\$0
Total	51,170,763	71,464,004	154,323,593	65,623,017
Projected Capital Reserves - Cash Fund Balance <sup>1</sup>	62,497,312	56,604,639	63,289,626	65,835,760
Projected Capital Reserves - Budgetary Fund Balance <sup>2</sup>	(14,355,272)	(9,642,000)	(27,992,874)	(31,676,700)

<sup>1</sup> The cash fund balance assumes an expenditure rate of 39% of the capital budget in 2017, informed by prior year actuals.

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

# 2018 Annual Operating Budget Attachment C

	2016	2017	2017	2018
	Actuals	Approved	Revised	Requested
Annual Maintenance	\$1,739,316	\$2,589,281	\$2,686,481	\$3,386,766
Flood Hazards Plan, Grants, Outreach	\$285,536	\$318,123	\$318,123	\$718,898
Flood Hazard Studies, Maps, Technical Services	\$1,140,460	\$1,304,619	\$1,454,619	\$1,414,741
Flood Preparation, Flood Warning Center	\$335,073	\$863,033	\$863,033	1,417,463
Program Management, Supervision, Finance, Budget	\$937,136	\$951,992	\$951,992	\$1,283,543
Program Implementation	\$1,931,768	\$1,165,633	\$1,165,633	(\$106,434)
Overhead / Central Costs	\$1,878,700	\$3,327,496	\$3,327,496	3,218,261
District Planning, Outreach, Policy Technical Services		\$392,000	\$392,000	
Total	\$8,247,988	\$10,912,177	\$11,159,377	\$11,333,238

# 2018 Annual Capital Budget

Attachment D

Basin	Acquisition	Design	Construction	Contingency	Total
Snoqualmie River Basin	\$1,065,862	\$3,433,478	\$7,466,841	\$0	\$11,966,181
Cedar River Basin	\$1,373,207	\$4,016,541	\$7,938,939	\$0	\$13,328,687
Green River Basin	\$10,057,917	\$4,531,692	\$2,196,968	\$0	\$16,786,577
White River Basin	\$0	\$1,079,358	\$0	\$0	\$1,079,358
Seattle	\$0	\$0	(\$4,215,112)	\$0	(\$4,215,112)
Effectiveness Monitoring	\$0	\$1,076,734	\$0	\$0	\$1,076,734
Countywide Corridor Plan Implementation	\$0	\$0	\$0	\$0	\$0
Countywide Miscellaneous	\$0	\$0	\$0	\$130,000	\$130,000
Opportunity Fund	\$0	\$0	\$5,738,670	\$0	\$5,738,670
Grant Fund	\$0	\$0	\$3,085,306	\$0	\$3,085,306
WRIA Grant Funding	\$0	\$0	\$4,520,525	\$0	\$4,520,525
Total	\$12,496,986	\$14,137,803	\$26,732,137	\$130,000	\$53,496,926

# 2018 - 2023 Six-Year CIP

Attachment E

										Contraction of the
	2016		2017	2018						2018 - 2023
Name	Actual	2017 Adopted	Revised	Proposed	2019	2020	2021	2022	2023	Total
Spogualmie River Basin	¢4 657 372	\$14 200 160	21 220 612	11 066 191	14 909 504	0 509 905	10 670 673	6 026 424	1 626 622	55 607 311
Shoquaime River Basin	\$4,007,07Z	\$14,290,100	31,329,013	11,900,101	14,000,094	9,590,605	10,070,075	0,930,434	1,020,023	00,007,011
Cedar River Basin	\$10,326,041	\$9,141,721	17,105,947	13,328,687	12,471,379	13,360,453	3,789,266	1,822,991	264,189	45,036,965
Green River Basin	\$9,930,760	\$13,733,899	36,652,024	16,786,577	24,240,873	35,235,873	8,470,123	14,106,122	16,900,298	115,739,866
White River Basin	\$8,611,198	\$5,607,473	13,385,203	1,079,358	1,989,187	7,887,849	5,797,495	69,556	200,000	17,023,445
Seattle Projects	\$223,029	\$3,810,756	5,214,392	(4,215,112)	1,550,000	6,173,781	-	25	12	3,508,669
Effectiveness Monitoring	\$177,652	\$357,399	601,785	1,076,734	702,778	830,323	813,940	767,476	510,698	4,701,949
Countywide Corridor Plan Imp	\$0	\$0	142,610	8	•		3	(H)	27,000,000	27,000,000
Countywide Miscellaneous	\$178,231	(\$274,646)	630,192	130,000	382,600	385,252	387,957	390,716	393,531	2,070,056
Subregional Opportunity Func	\$4,346,649	\$5,743,771	16,644,808	5,738,670	5,879,852	6,012,856	6,144,060	6,275,827	6,408,245	36,459,510
Flood Reduction Grants	\$1,936,697	\$3,058,908	9,014,771	3,085,306	3,161,211	3,232,718	3,303,258	3,374,100	3,445,293	19,601,886
WRIA Grants	\$1,868,625	\$4,390,296	11,750,781	4,520,525	4,654,617	4,792,687	4,934,853	5,081,235	5,231,960	29,215,878
Total	\$42,256,253	59,859,737	142,472,126	53,496,926	69,841,091	87,510,597	44,311,625	38,824,458	61,980,837	355,965,534

# 2018 Annual District Oversight Budget

Attachment F

	2017	2017	2018
	Adopted	Revised	Proposed
Management & Support	\$273,645	\$273,645	\$281,855
Rent and Equipment	\$11,593	\$11,593	\$11,940
Legal Services	\$95,061	\$95,061	\$97,913
Accounting	\$97,718	\$97,718	\$100,650
State Auditor	\$19,570	\$19,570	\$20,157
Other Professional Services	\$92,700	\$92,700	\$175,481
Expenses	\$17,389	\$17,389	\$17,911
Insurance	\$84,414	\$84,414	\$86,946
Total	\$692,090	\$692,090	\$792,853

# 2018 Subregional Opportunity Fund Allocations Attachment G

Jurisdiction	Opportunity Fund Allocation	J Project Name	Project Description
Algona	\$10,000	Algona Stormwater System Repair	Replacing rolled out stormwater pipe where needed
Aubum	\$94,016	DEFERRING	
Beaux Arts	\$10,000	DEFERRING	
Bellevue	\$603,506	Meydenbauer Basin/NE 8th St. & 100th Ave	Amendment adding budget to project that will reduce the fineding fractioners at this intercention
Black Diamond	\$10,000	DEFERRING	2 congress processing managements and the second residence at the according
Bothell	\$58,737	Blythe Park Sediment Reduction and Source Control for Blythe Creek Phase II	Complete 90% design and obtain needed permits for a segment patchment pond and up stream segment control measures
Burien	\$69,268	DEFERRING	- permet te a second seco
Carnation	\$10,000	DEFERRING	
Clyde Hill	\$28,639	Storm Drainage Retrofits	Amendment adding budget to complete four storm drainage improvement projects in the City
Covington	\$27_174	Timberlane-Jenkins Stormwater LID	Retrofit of stormwater facilities in grainage easement areas within Timberlane Estates
Des Moines	\$39,355	DEFERRING	
Duvall	\$12,980	DEFERRING	
Enumclaw	\$15,030	Battersby Avenue Culvert Replacement	Replace failing culvert that crosses under Batteraby Avenue (SE 440th St.)
Federal Way	\$115,813	DEFERRING	
Hunts Point	\$13,095	2018 Operation & Maintenance	Cleaning and cameraing of existing storm system.
Issaguah	\$109,676	DEFERRING	
Kenmore	\$47,964	DEFERRING	
Kent	\$190,352	Lake Ferwick Aerator Upgrade	Complete design and construction of an uppraded aerator to reduce hazardous algae blooms in the lake
King County	\$487,648	Fairwood Park 11 Pipe Replacement	Remove existing conveyance system of a stormwater facility and replace with a concrete box culvert that will provide fish passage
Kirkland	\$276,229	DEFERRING	
Lake Forest Park	\$33,090	DEFERRING	
Maple Valley	\$40,775	DEFERRING	
Medina	\$45,695	Medina Park Stormwater Pond Improvements	Amendment adding budget to complete permitting, removing organic sediment, and installing outlet control device in upper pond
Mercer Island	\$152,234	Lincoln Landing Stormwater & Park Improvements	Construct stormwater, shoreline and park improvements currently in design at Lincoln Landing, a street end park on the north shore of Mercel Injand
Milton	\$10,000	DEFERRING	
Newcaste	\$33,298	DEFERRING	
Normandy Park	\$18,103	Phase 4 Stormwater Management Control	Map existing stormwater conveyance system conditions into GIS database. This will include researching existing utility easements
North Bend	\$14,358	DEFERRING	
Pacific	\$10,000	DEFERRING	
Redmond	\$211,556	1. Overlake Regional Infiltration Vault 2. Bear Creek Modeling and Avondale Embankment Protection	1. Install infitration vault to fully retrofit the Overlake urban center with flow control that will reduce or eliminate flooding downstream. 2. Create an updated HEC-RAS model of Bear Creek and conduct an alternatives analysis for embankment protection along Avondate Road
Renton	\$177,949	Cedar River Gravel Removal	Implement Maintenance and Monitoring Plan.
Sammamish	\$181,741	Zackuse Creek Fish Passage	Amendment adding budget to replace an undersized culvert and reation 200 feet of Zackuse Creek.
SeaTec	\$38,619	DEFERRING	
Seattle	\$2,278,511	Thomton Creek Natural Drainage System Stormwater Conveyance	Provide conveyance improvements, stormwater controls, and water quality treatment to improve the Thomton Ozek watershed and provide needed drainage infrastructure
Shoreline	\$111,004	Pump Stations 26 and 30 Improvements (Pre- Design)	Evaluate options to replace City of Shoreline Stormwater Pump Stations.
Skykomish	\$10,000	DEFERRING	
Snogualmie	\$29,818	DEFERRING	
Tukwila	\$60,070	Tukwila 205 Levee Certification - Phase 3	Perform the third phase of a levee certification study for the Tukwila 205 Levee.
Woodinville	\$38,586	DEFERRING	A CONTRACT OF A CO
Yarrow Point	\$13,780	2016 Operation & Maintenance	Cleaning and cameraing of posting storm system and installation of - 300 linear feet of thickened erice
Jurisdiction T	otals \$5,738,669		

Deferrals Projects

\$1,053,845 \$4,684,824

2018 - 2023 Six-Year CIP Project Allocations	5
Attachment H	
11/6/17	

#### 2015-2016 Flood Damage Repairs Grant/External Funding Cost Share

No.         No. <th>11/6/17</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>2017 Mid-Year Re</th> <th>vision</th> <th>Designation</th> <th></th> <th></th> <th></th>	11/6/17									2017 Mid-Year Re	vision	Designation			
No.         No. <th></th> <th>BOHLLIN'</th> <th></th> <th>C R M</th> <th>1</th> <th>HING COLLEY HOUSE</th> <th>Services Division</th> <th>Projecta</th> <th>1</th> <th></th> <th></th>		BOHLLIN'		C R M	1	HING COLLEY HOUSE	Services Division	Projecta	1						
	No. Title	Besin	Type of project	Date Expenditure	Inception to Date Budget	2017 Available Budget	2018 Requested	2019 Projected	2020 Projected	2021 Projected	2022 Projected	2023 Projected	6-Year CIP	Project Life	
D         Description         Descripion <thdescription< th=""> <thdescri< td=""><td>1 WLFLO MILLER &amp; RD RVTMNT 2010 REPAIR</td><td>SF Skykomish</td><td>WLR Const</td><td>\$1,409</td><td>\$760,799</td><td>\$759 390</td><td>122234-025</td><td>50</td><td>50</td><td>\$0</td><td>60</td><td>50</td><td>10004 100</td><td>A 490 97</td><td>Damage to revelment. Very large rock removed from rovetment, vertical banks and exposed subgrade in several locations totaling</td></thdescri<></thdescription<>	1 WLFLO MILLER & RD RVTMNT 2010 REPAIR	SF Skykomish	WLR Const	\$1,409	\$760,799	\$759 390	122234-025	50	50	\$0	60	50	10004 100	A 490 97	Damage to revelment. Very large rock removed from rovetment, vertical banks and exposed subgrade in several locations totaling
Description         Description <thdescription< th=""> <thdescription< th=""></thdescription<></thdescription<>	2 WLFLO SKYKOMISH HOME BUYOUTS	SF Skykomiah	WLR Acquilley	\$380	\$380	50 50	\$0	\$0	\$0	\$0	\$0	30	\$0	\$428.574	approximately 350 feet of damage, if not repaired, Miller River Road could be severely damaged.
Image: An intervent in the intervent interv	3 WLFLOSF SKYKMSH REP LOSS MIT	SF Skykomish	WLR Acqu/Elev	\$295.404	\$690,638	\$395,434	\$54,566	\$0	\$0	so	\$0	\$119,405	\$173,971	\$864.804	This project will elevate or buyout individual structures in the South Fork Skylomish Basin to eliminate the risk of flooding or erasion damage during future flood events.
A. M. Construction         Second	4 WUFLE SKY W RVR DR FLOOD STUDY	SF Skykomish	WLR Const	\$2,475	\$81,237	\$78.762	\$0	50	50	50	50	50	60	\$91.757	This project would improve infrastructure at the mouth of Maloney Creek and on the SF Skykomian River to reduce the trequency of
N         No.2003/001-LUI 2013/000         Solution         Solution <td>5 WLFLO SKYKOMISH LB DOWN 2016 REPAIR</td> <td>SF Skykomish</td> <td>WLR Const</td> <td>\$61.767</td> <td>\$150.000</td> <td>SBR 233</td> <td>50</td> <td>50</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Approximately 50-food-long section of missing armor rock immediately downstream of the bridge. Further flooding may compromise or</td>	5 WLFLO SKYKOMISH LB DOWN 2016 REPAIR	SF Skykomish	WLR Const	\$61.767	\$150.000	SBR 233	50	50							Approximately 50-food-long section of missing armor rock immediately downstream of the bridge. Further flooding may compromise or
V         Displan         Disp	# WLFL0 SKYKOMISH LB UP 2016 REPAIR	SE Skykomieh	WLR Const	\$7.658	\$300.422	\$301 775					30	30		\$150,000	serverty damage facility. Three pockets of missing armor rock: 15, 10 and 75 feet wide and eroded topsoil from upper sections of lovee. Further flooding may
Description         Description <thdescription< th=""> <thdescription< th=""></thdescription<></thdescription<>	7 WLELD TIMBER IN PROSN BUYOUTS	SE Slottomich	M/ P Assu Elau	41631070			00000 0.001	30	- 49	50	30	<u> </u>	\$0	\$309,433	compromise or severally damage facility. This project will continue to acquire and remove homes along a stretch of the Skykomish River that are endangered by erosive forces as
V         V	3 MELO TIMBERI ANE 2016 DEDAID	PE Pladamiah	WID O	41,471,273	42,000,013	31013240	\$223,301	50	50	50	\$0	\$0	\$223.361	\$2 809 874	weil as trundation in some places Old privately built factury in Timberiane Village on County property. Riverside rockery walls continue to oversteepen settle and fall into the
J. MALANDA MER HERE HERE         Junchow         MALANDA MER HERE HERE         Junchow         MALANDA MER HERE HERE         Control         Con	S STORED THINDERCEME 2010 HEPAIR	SP Skykonish	WLR Lonst	\$11,040	\$52.500	\$41,460	(5)6,490	\$20,000	\$20,000	\$20,000	\$20.000	50	\$43,545	\$96,040	niver.
L         MALAGE         MALE	8 WLFL1 428TH AVE SE BR FEASIBILITY	Upper Snog	WLR Corest	\$168,614	\$300.000	\$131,386	(5.) ( 375)	so	50	50	50	\$	1554726	1268 614	FCD-requested project to reduce neighborhood isolation from flooding. Develop a set of alternatives for improvements to 428th Avenue SE, SE 92nd Street, and Reinig Road to reduce the frequency of community isolation caused by floodwaters overlooping these roadways.
N         No.42 See 1.552 Exercise tested scales         No.42 See 1.552 Exercise tested scale 1.555 Exeris         No.42 See 1.555 Exercise teste t	10 WLFL1 USACE PL 84-99 SF SNO	Upper Snog	WLR Const	50	\$0	\$0	\$150,223	\$183 154	\$357.868	\$363,454	51	64	51 040 E00	F1 040 000	Ensure eleven South Fork Snoqualmie River levees meet the standards of the US Army Corps of Engineers PL 84-99 program in order to
In         Adv. 188.447         State 100         State 100         State 100         FULL 000         FULL 0000         FULL 00000         FULL 000000000000	11 WLFL1 SF SNO LEVEE REMEDIATION	Upper Snos	WLR Const	50	50	60	\$305 673	\$274.420	67777.700	6740 cm			# 1,040 April	31,043,556	size ever nume assistance from the Corps in the event of flood damage to the levees. Six levee deficiencies have been identified in this leveed segment. The project will design and reconstruct the impaired segment of levee
J         Disc.         Disc. <thdisc.< th="">         Disc.         Disc</thdisc.<>	12 WLFL1 BIBABY CREEK	Linner Snos	WAR Comt	60			4250 012	3374,435	5/2/ /90	\$748.625	<b>14</b>	\$0	\$2,147,526	\$2,147,526	In place, Address flooding from Ribary Creek at Bendigo Blvd in North Bend as the Snoqualmie levees prevent drainage to the river during high
		lun of the second	WER COTAL			20	20	\$636,492	\$815,106	\$2,338,618	\$2,408,777	\$9	\$6,198,993	\$6,198,993	flows. Conduct a feasibility study to determine ways of preventing the overlopping of the Reif Rd Levee. Potential solutions includes making and/or
	IS MORELAEP ROCEVER WEREVEWEINS	Upper Shog	WUR Const	02	\$0	50	\$0	\$0	\$265,438	\$318,421	\$385.937	\$457,218	\$1,427,015	\$1,427,015	raise level in place / ustrack level / grave removal / home elevations.
In         UNICL MASK MEMOR TRADE STOT 2015 SEAM         UNICL MASK MEMOR TRADE	14 WEFET CIRCLE RVR RANCH RISK RED	Upper Snog	WLR Const	\$54,225	\$150,000	\$85,775	\$278,505	\$513,426	\$1,608,158	\$1,738,003	92	\$0	\$4,138,093	\$4,288,093	the South Fork Snoqualmie River, Being conducted concurrent with South Fork Snoqualmie Curried River, Being conducted concurrent with South Fork Snoqualmie Curried River, Being conducted concurrent with South Fork Snoqualmie Curried River, Being conducted concurrent with South Fork Snoqualmie Curried River, Being conducted concurrent with South Fork Snoqualmie Curried River, Being conducted concurrent with South Fork Snoqualmie Curried River, Being conducted concurrent with South Fork Snoqualmie Curried River, Being conducted concurrent with South Fork Snoqualmie Curried River, Being conducted concurrent with South Fork Snoqualmie Curried River, Being conducted concurrent with South Fork Snoqualmie Curried River, Being conducted concurrent with South Fork Snoqualmie Curried River, Being conducted concurrent with South Fork Snoqualmie Curried River, Being conducted concurrent with South Fork Snoqualmie Curried River, Being conducted concurrent with South Fork Snoqualmie Curried River, Being conducted concurrent with South Fork Snoqualmie Curried River, Being conducted concurrent with South Fork Snoqualmie Curried River, Being conducted concurrent with South Fork Snoqualmie Curried River, Being conducted concurrent Being Conducted Concurrent River, Being Conducted Concurrent River, Being Conducted Concurrent Being Conducted
13         13         Model Added Profiles AD Composition AD any and the ADD Profiles AD AD ADD Profiles AD ADD AD AD ADD Profiles AD A															Large scour hole in bank at upstream end of Mason Thorson Extension rock-faced levee. Significant settlement and displacement of face rock at upstream end of facility. Scour hole in bank threatens to end-run facility and damage adjacent private property. Damage to levee
International control in the stand product in the stand in thest in thest in the stand in the stand in the stand in the stand	15 WLFL1 MASON THRSN EXT 2016 REPAIR	Upper Stog	WLR Const	50	\$240,000	\$240,000	\$0	02	50	\$0	50	\$0	50	\$240,000	face-rock compromises levee integrity and may lead to progressive failure, ospecially at upstream end
List         Aussister         Status	17 WLELI ME SHO CORRIDOR PLAN	Upper Strog	WLR Const	\$1,310,605	\$1,624,912	\$514,307	50	34,843,361	\$1,591,350	\$1,311,272	50	30	\$5,145,983	\$6,245,863	Placeholder for comid ar plan implementation projectis) Middle Ford Secondar Blancing attention of the complement in 2018
In         Web, INF REF RO 2016 BEAM         User Correct         Corre	16 WUFLI NORTH FORK BRIDGE 2016 REPAIR	Upper Snog	WLR Const	\$111	\$385.000	\$384,989	50	50	so	\$0	50	80		6306.000	The North Fork Bridge was originally built in 1951 and is extreamely vulnerable to scour as the channel thatweg migrates. In order to keep
Image: No. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.				÷.									30		Length 50-50 feet. Face rock has appeared to have settled 1-2 feet exposing core material above near upper part of levee face. Larger
Vol. No. 11 ENGLA BOATINGT 25 BEPJAR         Vol. 2 cm         Vol. 2 cm <t< td=""><td>19 WLFL1 REIF RD 2016 REPAIR</td><td>Upper Snog</td><td>WLR Const</td><td>50</td><td>\$253,000</td><td>\$253,000</td><td>50</td><td>\$0</td><td>50</td><td>\$0</td><td>\$0</td><td>92</td><td>50</td><td>\$253,000</td><td>face rock missing in pockets upstream end of this damage site. Continued damage could compromise facility which provides flood protection for several residences landward of the facility.</td></t<>	19 WLFL1 REIF RD 2016 REPAIR	Upper Snog	WLR Const	50	\$253,000	\$253,000	50	\$0	50	\$0	\$0	92	50	\$253,000	face rock missing in pockets upstream end of this damage site. Continued damage could compromise facility which provides flood protection for several residences landward of the facility.
1         WR.1 ECOR OFFICE 2018 BEPAR         Usge Snot         WR.1 ECOR OFFICE 2018 BEPAR         Usge Snot         WR.1 Standard         Standard<	20 WLFL1 REINIG RD RVTMNT 2016 REPAIR	Upper Snog	WLR Const	50	\$0	so	\$1,500,000	so	50	so	\$0	so	\$1,500,000	\$1,500,000	Repair three primary camage sites just upstream and directly across from the South Fork Snoqualmie confluence totalling -285 lineal feet.
International procession reports         Visit Control         Sol															Repair downstream 200 lineal feet of facility which is missing face rock and toe rock. A significant scour hole has formed around a City of Snogualmic stormwater outfall pice at the downstream and of facility. Extential prosion impact to Park Ave SE in City of Consultation of
128         MLR 1 SP AND CORE ALLY ACTION         Upper Since         WLR Core         5132/086         550         500        500 <td>121. WEPET RECORD OFFICE 2/16 REPAIR</td> <td>Upper Snog</td> <td>WLR Const</td> <td>SO</td> <td>\$0</td> <td>02</td> <td>\$350,000</td> <td>\$421,000</td> <td>\$0</td> <td>\$0</td> <td>\$0</td> <td>50</td> <td>\$771,000</td> <td>\$771,000</td> <td>area included in the City's planned "Riverwalk" park and trail project</td>	121. WEPET RECORD OFFICE 2/16 REPAIR	Upper Snog	WLR Const	SO	\$0	02	\$350,000	\$421,000	\$0	\$0	\$0	50	\$771,000	\$771,000	area included in the City's planned "Riverwalk" park and trail project
24         MURIL SP SNO CORRECAL         System         TOTAL Corr         State SP SH 4	22 WLFL1 SF SNO CORR EARLY ACTION	Upper Snog	WLR Const	\$1,373.069	\$5,562,744	\$4,189,655	174.030 6451	\$0	so	\$0	so	\$0	124 534 6551	\$1,523.089	softback and gravel removal
2         MLP1 SHACE MILLE 2016 REPAR         Upper Sing         MLP1 SHACE MILLE 2016 REPAR         Upper Sing         Numerical status and marked status and merical status and merican and mericand mericand merican and mericand merican and merican and merican	24 WLFL1 SF SNO CORRIDOR PLAN	Upper Shoe	WLR Const	57 472 914	\$130,771	\$130,771	197.571	50	\$0	50	\$0	30	(1217,021)	\$72,800	Placeholder for confder plan implementation project(s)
Image: Display times or synthetic High States         Synthetic	35 MI EI 1 SHAKE MILLI B 2015 DEDAID	Linne Train	1410.0		(ban ann	2510,000			- 30	\$0	50	50	\$0	\$2,682,914	ISF Snoguelitritis Centeur planning process and development of capital investment strategy. Total breach of levee - erosion and lateral channel migration is ongoing. No immediately adjacent private property or infrastructure-
28         WLR 1 BRAVE MILL RB 2018 REPAIR         Upper Sing         WLR Const         50         5177,50		Coper Since	Wire contai	30	\$00.000	\$800,000	0.200,0000	\$923,239		\$0	\$0	50	\$723.239	\$1,523,239	Continued erosion solid threaten 428th Ave embankment or bridge. Between 428th St Brigge and Tate Creek, several locations on levee where the rock disindered and correspondence miner baric erosion.
28         WLR_11 Strate CRK BRIDGE LENGTHEN         Upper Sing         WLR Const         50         5100,000         5100,			i		2.5900		100.000								along 50-60 feet of river bank. Actual gaps range between 6-10 feet. Missing loe rock compromises levee integrity, increasing its submetablies to further, your and potential billing. Entities of this facility and the rock compromises levee integrity, increasing its
27         WLR Cond         30         50         50         500         60         50         500	25 WILFLI BHARE MILL RE 2015 REPAIR	Upper Snoa	WLR Const	\$0	\$197,500	\$197,500	\$172,899	\$447,676	\$0	50	50	30	\$620,575	\$818.075	Sector and the sector and the potential and the and the of this sector could result in damage to a neavity used county road (4280) Ave (5E).
NUMBER         NUMBER         State         <	27 WLFL1 SI VIEW RM4 2017 REPAIR	Upper Snot	WLR Const	\$0	\$0	so	\$209.000	50	50	50	50	50	5309.000	5209.000	Repair approximately 25 lineal feet of the facility with missing toe rock and shallow scour scallop into bank that is approximately 1-2 feet deeps 3 View Levne is a relatively short flood contairment levee that protects 50+ homes in the Si View Park Neighborhood of North
28. WLR L1 SR202 SF BRUCGE LENGTHEN         Upper Encode         WLR Const         500         500         500         500         500         5100.000													2202,000	3205,000	Deep inom sociality Placeholder funding to partner with WSDOT to expand bridge SR202 opening over South Fork Snoqualmie and Ribery Creek to improve
2 WR_1 TATE CRK BRIDGE FEASIBILITY Upper Snot WR_1 LIVER SNOT STATE WR_1 LIVER SNOT STAT	2# WLFL1 SR202 SF BRIDGE LENGTHEN	Upper Snog	WLR Const	so	so	\$0	\$Q	\$0	50	so	\$0	\$100,000	\$100,000	\$100,000	correvance and roduce upstream flood impacts. Supported by North Bend. Recurse state or federal funding, Relative contribution of this project is being evaluated in the SF Snogualinie Constor Plan.
Operation         Operation <t< td=""><td>29 WLFL1 TATE CRK BRIDGE FEASIBILITY</td><td>Linner Sport</td><td>Amonmint</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Prepare a Concept Development Report (CDR) to analyze and solect best soundaring replacement bridge and road-raising option as the current bridge does not provide enough hydraulic opening due to the transport of sediments and water overtoes the second pre-</td></t<>	29 WLFL1 TATE CRK BRIDGE FEASIBILITY	Linner Sport	Amonmint												Prepare a Concept Development Report (CDR) to analyze and solect best soundaring replacement bridge and road-raising option as the current bridge does not provide enough hydraulic opening due to the transport of sediments and water overtoes the second pre-
30       WLR_11 UPPER SNOQ 2015 FLOOD REPAIR       Upper Snoq       WLR_Coatt       35,677       S1.465.673       S1.465.673       S1.465.673       S1.465.673       S1.460.00       \$50       50       50       51.560       S1.560       S1.560       Production Statute Macan-Throno Etamation (Mddde Factor Macanter)       McR. Analytic Macanter Macante		TODDET STOQ	Agreeding	- 50	50	50	\$0	\$0	\$0	\$0	\$0	\$150.000	\$150,000	\$152.080	foods.
31         While LI UPR SNO RES ELD MITTOTN         Upper Snog         WLR Accuration         \$	30 WLFL1 UPPER SNOQ 2015 FLOOD REPAIR	Upper Snog	WLR Const	\$5,673	\$1,465,673	\$1,460,000	\$15,450	50	50	so	so	50	\$15,450	\$1,481,123	Flood damage repairs from January 2015 flood event. Locations include Mason-Thorson Ells and Mason-Thorson Extension (Middle Fork Snoqualmie); North Park (North Fork Snoqualmie); and Record Office, Meadowbrook, and Railroad (Snoqualmie mainstem).
20         WLFL2 DUTCHMAN RD REPAIR         Lower Snoo         VLR. Count         500 \$300,000         \$500,0014         \$500,0014         State of the state scale and the state sc	31 WLEL1 UPR SNO RES FLD MITIGTN	Upper Snog	WLR Accu/Elev	\$9.163,547	\$11,971,284	\$2,807.737	\$1,454,158	\$2,412,151	\$2,484,516	\$2,559,051	\$2,635,823	50	\$11 545 699	\$73.516.083	This project will continue to acquire or elevate flood-prove structures in the Upper Snoqualmie basin to reduce the risk of flood, ension, and channel migration Jamage. Partnership with Cities of Snoqualmie and North Bend, As of May 2016 260 remain to be elevated or acquired. This ansurtaneous test 10.13 home advantage are used.
22         WLFL2 DUTCHMAN RD REPAR         Lower Snos         VULR Count         50         500															Repair approximately 200 tent of revetment, Dutchman Road in this location provides the sole access to residences and business on the
33 WLFL2 DUVALL BRIDGE 1136A Lower Grass Agricontint \$6 \$33,000 \$100,000 \$50,0	32 WLFL2 DUTCHMAN RD REPAIR	Lower Snoa	WLR Const	so	\$208,914	\$209,914	\$338.679	50	so	60	60		\$338.670	8545 500	west alde of the Snoqualmie Valley downstream of Duvali. Continued erosion of the revetment could result in erosion of the road (West Enoqualmie Valley Road NE) which would severely limit access bit the downstream property owners during at findowing a findowing at
	33 WLFL2 DUVALL BRIDGE 1136A	Lower Snoe	Agreement	\$0	\$30,000	\$30,000	\$120.000	50	50			30	\$170 or	8400 CAL	The foundation of the main-span pier is exposed and is vulnerable to destabilization during a flood. Add scour mitigation measures to

Γ			1	1	2017				-				1		
L			1.00	2016 Inception to Date	Revised	2017 Available	2018	2010	2020	2071	2000	2002		Private	
No	, Title	Basin	Type of project	Expenditure	Date Budget	Budget	Requested	Projected	Projected	Projected	Projected	Projected	6-Year CIP Total	Project Life Total	Commenta
						1									This project provides technical and cost-sharing assistance to residential and agricultural landowners in the Lower Snoqualmie floodplain
3	4 WLFL2 FARM FLOOD TSK FORCE IMP	Lower Snog	WLR Const	\$968.348	\$763 759	\$95,411	\$111,858	\$115 214	\$118.670	\$122 230	5175 897	50	\$593 869	\$1 357 678	to help them better workstand the impacts of flooding. Specific project actions include farm pads, elevations of homes, and elevation or
3	5 WLFLZ L SNO REP LOSS MITOTION	Lower Snog	WLR Acquiller	\$1,299,231	\$1,712,699	\$443,468	(117,025)	\$0	\$0	\$0	\$0	30	(\$1) 275	\$1,695,671	Funding as possible lacar match for FEMA grants to elevate or acquire at-risk structures.
1															Cost-shared contribution to multiple loves setbacks and high priority flood risk reduction acquisitions in the Fall City reach of the Lower
3	6 WLFL21 SNO/ALDAIR CORROOR PLN	Lower Snog	WLR Const	\$5,644,814	\$7,252,761	\$1.607.947	\$113.053	\$742.630	\$655,635	22	\$0	\$0	\$1,511,319	\$8 764 080	tunding from other sources.
L															This project provides technical and cost-sharing assistance to residential and ogricultural landowners in the Lower Snoqualmie floodplain
3	7 WLFLZ LWR SNO RESOL FLD MITG7N	Lower Snog	WLR Acqu/Elev	\$1,927,117	\$3,306.276	\$1.379,159	1527,050	\$737,924	50	50	\$0	50	\$709.965	\$4,016,241	to help them better workstand the impacts of flooding. Specific project actions include farm pads, elevations of homes, and elevation or
3	WLFL2 SE 19TH WAY REVENMENT	Lower Spon	Will P Const	- 1000 alam	\$1 706 204	F1 413 746	Po.								Rebuild revolment to protect road access to high value agricultural operations and lands. Construction of road anticipated 2017; bank
T	WLFL2 SE DAVID POWELL RD	Conci onog	1100000		41,000,234	21,413,743					\$0	20	20	\$1,706,294	repair anticeated in 2016. ECO-requested project to induce pointherhead isolation from feeding. Provent signs follows of sole assessmentation that would isolate 150
3	B DOWNSTREAM	Lower Snog	WLR Const	\$149,535	\$1,036,456	\$886.921	- 50	50	50	52	\$0	\$0	50	\$1,036,456	how requests project to request request not not not not not not not access to access t
ä	WEFL2 SE DAVID POWELL RD UPSTREAM	Lower Snog	Agreement	\$0	\$250 000	\$250.000	\$700.000	\$1 250 000	\$0	so	50	50	\$1,950,000	82 300 000	The river is scouring the road away and David Powell Road is collapsing into the river. This project will repair an existing failing revetment
١.		Laura Cana	MAD Com												FCD-requested project to reduce neighborhood isolation from flooding. Prevent slope failure of sole access roadway that would isolate 20-
F	T HE LEVETION AT CHERT RD	Lower Snag	WUR COnst	\$124,843	\$527,905	\$403.062	\$0	\$0	\$0	50	50	50	\$0	\$527,905	30 homes
4	WLFL2 SINNEMA QUAALE 2011 REPR	Lower Snog	WLR Correct	\$11,974,543	\$12.508.516	\$533.973	50	\$0	50	\$0	\$Q	\$0	so	\$12,508,516	Isarge capital project of repair 1000 linear reet of the sinnema Guaale Upper revetment. Protects SR 203, two regional fiber optic lines, and Shoqualmic Valley Trail, Construction to be completed in 2017; croied anticipated to be closed out in 2018.
	2														
4	3 WEFL2 SNOQUALME VALLEY FEASIBILITY	Lower Snog	Agreement	\$0	\$0	\$0	50	\$0	\$0	\$250.000	\$250,000	50	\$500.000	\$500.000	Regional ficoding in the Snoqualmie Valley cuts off access to eastern cities. Determine which major roadway(s) that cross the Snoqualmie Valley would be the most cost effective to improve in the valley with choose fixed issues impaction over 24 000 date draws
E															This project will repair approximately 600 linear teet of the Winkelman (formerly RM 13.5) revelment. Erosion along the right bank of the
4	WLFL2 TOLT PIPELINE PROTECTION	Lower Snog	WLP. Const	\$1,515,788	\$3,271,375	\$1,755,587	\$6.167.541	\$42 436	50	50		50	56 204 977	to 475 353	Snoqualmic River channel threatens to undermine the Seattle Public Utilities water supply line at this location south of Duvali, Construction
Γ.	WLFL2 WOODINVILLE DUVALLER												SULCA SIT	45,470,302	These two kridges are subject to having the roadway approach fill wash out during a food. Excervate approaches and rebuild approaches
H	5 11.305/11365	Lower Snog	Agreement	\$0	\$1:00,000	\$100,000	\$300.000	\$0	50	\$0	50	\$Q	\$300,000	\$400,000	to provent leasing approaches during flooding. A similar repair was done on Woodimile-Duvall Bridge No. 1136D.
															Face rock displaced along approximately 50 feet of levee face. Some core material appears to have been lost, resulting in an oversigenceed back plative to unstream and downstream understand levee sortions. Top of demond free conservice table 5 feet free
	WI EI 3 EDEMI I EVER 2016 DEDAID	have a	144.0 0 1												edge of gramol trail. Continued erosion will out off popular riverside trail. Potential impact to highway it facility breaches during a major
1	NUPLS PREW LEVEL 2016 REPAIR	lot	WUR Const	SO	\$150,000	\$150,000	\$102,000	50	50	\$0	\$0	\$0	\$102,000	\$252,000	flood
5	figure interesting														Repair approximately 20 fect of face and toe rock dislodged from Girl Scout Camp levee revetment below side channel confluence with
14	/ DWLPL3 BIRL SCOUT LEVEE 2016 HEPAIR	Tot	WLR Const	50	\$60,000	\$60.000	\$251,000	50	-50	50	SO	\$0	\$251,000	\$311,000	mainteem, withsing rake and toe rock compromises levee integrity, increasing its vulnerability to further scour and potential failure,
4	8 WLFL3 HOLBERG FEASIBILITY	Tott	WLR Const	50	\$200,000	\$200,000	50	92	50	so	so	\$0	50	\$200.000	Provide the second state of the second state o
4	WLFL3 LOWER FREW LEVEE SETBACK	Tott	WI B Const	62	\$175.000	\$175 000	\$1 336 000	-	60	50					Capital Investment Strategy: Design, based on level of service analysis, the highest priority levee setback for flood risk reduction, FCD 6-
3	WLFL3 LOWER TOLT RIVER ACQUISITION	Ton	WLR AcquiElev	\$529,475	3744.475	\$215,000	\$1,230,000	30 30	50	50	50	50	\$1,069,962	\$1234,962	Vear includes funds needed for grant match for future grant applications. Acquisition approach the Swithester development and the dury for the future settance of the Unper Freed Leven
5	WLELS RIO VISTA PROPERTY ACO	Tolt	W. R. AcquiElay	50	50		5500.000								Capital Investment Stategy Acquire 2 at-risk homes from willing solice; acquire romaning 14 homes as funds became available
٣		104	HOUPDIDE				3500,000	50	30	80	50	50	\$500,000	\$500,000	This projectival buyout remaining properties and remove all homes and privately constructed which leave at unstrong and of the
5	WEB 3 SAN SOLICI MERHOOD BUYOUT	Tat	MID Assure	E4 497 004	AT 520 050										community sccess road, utimately completing project unitated 2C years ago by others. When completed, will result in removing
1		1946	AACK ACCUSERS	34 127 091	40.003.303	-37,4/2,062		50	50	so	<u>50</u>	\$0	\$0	\$5,553,353	approximatizity 20 homes from high hazard areas within and just upstream and downstream of San Souci neighborhood.
5	WLFLISAN SOUCH REACH IMPROVMITS	Tot	WLR Consi	\$0	SC	so	\$100,000	\$250.000	\$700,000	\$700.000	\$750.000	50	\$2,500,000	\$2,500,000	capital investment stategy; construct for Road NE road elevation in one location, Remove itlegal revelment and roads in San Souch neighborhood
5	WLFL3 SEDIMENT MGMT FEAS	Tot	WLR Const	50	60	50	CO09 605	\$205.284	50	FO		50	C104.000		Capital Investment Startogy: Conduct audiment management leasibility study and develop a plan. Update and include upper watershed
							-	32022.04		30	80	30	3414,002	5414,002	secondent production externates. Capital Investment Stategy: Initiate study (with potential future design and construct) to add bridge agan(s), raise the bioloway and
0	WLFL3 SR 203 BR IMPRVMNTS FEAS	Tot	WLR Const	02	50	\$0	\$205,743	\$181.306	SO	50	\$0	so	\$387,049	\$387,049	relocale King County Parks parking area
							1.10								Damage is approximately 60 lineal feet of the facility with missing toe rock and undermined face rock near the Snoqualmie Valley Trail. The damage is at the downetream end of Remininger facility and a timach or continued ensities useful increase facility increases for the social section.
50	5 WLFL3 REMUNGER LEVEE 2017 REPAIR	Tot	WLR Const	50	\$0	\$0	\$311,000	\$0	\$0	50	\$0	\$0	\$311,000	\$311,000	of the Remlinger property
5	WLFL3 TOLT CORRIDOR IMPLMINTN	Tot	WLR Const WLR Const	\$45,00	\$100.000	5853,210	50	50	50	<u>50</u>	50	50	\$0	\$900,000	Flood damage repairs from January 2015 flood event. Locations include Frew, Upper Prew, Reminger, and Girl Scout Camp.
					ALCO STRAT			20,				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		- 20	The comport plan for the lower 5 miles of the Tolt River will develop a prioritized implementation strategy for pear-term and long-term
M	MUPUS TOLT CORRIDOR PLAN	Tolt	WLR Const	\$958.717	\$1,153.657	\$194,940	50	\$0	50	\$0	so	\$0	\$0	\$1,153,657	floodplain management actions. Scheduled for adoption in 2017
60	WLFL3 TOLT R LEVEE LOS ANALYSIS	Tott.	WLP. Const	22	\$150,000	\$150,000	\$403,250	\$150,000	50	\$0	50	so	\$553,250	\$703.250	Capital Investment Strategy: Conduct a detailed hydraulic analysis to optimize the elevation of new levees to maximize flood risk reduction bonefits
61	WI FLOTOLT R MILE 1 1 SETBACK	Fall	MI B Assuration	R4 007 400	66 404 050		19191								Acquisition Linding for high risk properties in levee setback project area. Project priorities will be determined by the Board through adoption
57	WLFL3 TOLT R NATURAL AREA ACO	Tall	WLR AcquiElev	\$1,140.067	\$2,470,067	\$1,387,254	\$515,000	\$530,450	\$109 273	02	\$0	50	(547.204) 81.454.758	\$5,436,556	of the Tott Comdor Plan
	AN EXTOCT D BD EL DIATION PERSON PER					The service in							G1,104,122	\$4,024,790	Capital eventsets an anogy, accurate to his homes from weing selers.
0.	WEPES TOLT & RE ELEVATION PEASIBILITY	Holt	WLR Const	\$0	\$250,000	\$250,000	. 50	SO	\$0	\$0	SO		\$0	\$250.000	PCD-requested project to reduce neighborhood isolation from tooding. Evaluate leastbility of elevating sections of Tolt River Road.
54	WLFLETOLT R RD NE IMPROVEMENTS	Tolt	WLR Const	50	\$0	50	\$0	\$0	\$50.000	\$100.000	\$210,000	\$800,000	\$1,150,000	\$1,160,000	capital invextment Strategy: Initiate design for elevation of one road location to reduce or eliminate isolation. Implement additional road elevations as funds become available.
65	WLFL3 UPPER FREW LEVEE SETBACK	Tot	WLR Const	sn	10	\$0	50		F100.000	5400.000	B450.000				Capital Investment Strategy Initiate the levee setback design in order to apply for grant funding. Levee setback to increase sediment
	WLFL4 ALPINE MANOR NEIGHBORHOOD			~~~~	~		30	50	2102000	\$100,000	\$150,000	\$0	\$350,000	\$350,000	Morage and Roodwate conveyance; protect adjacent development, reduce damage to trail bridge. Acquisition of single-family homes and future acquisition of mobile home and strick of abstract mission for the
68	I BUYOUTS	Ragins	WLR Acqu/Elev	\$1,715,652	\$2,280,652	\$565,000	\$405.755	\$0	50	\$0	\$0	\$0	\$405,755	\$2,686,407	Appine Manor neighborhood
	CONTRACTOR AND AND A CONTRACTOR OF A CONTRACTOR														Repair 150 lineal feet of discontinuous damage and missing too rock. The levee protects the landward area from flooding and serves as
67	WLFL4 RAGING MOUTH TO BR 2017 REPAIR	Raging	WLR Const	50	50	50	\$500,000	\$74,000	\$0	\$0	\$0	50	\$574,000	\$574,000	Twin Rivers golf course barn, which would experience greater flooding if the levee were breached
-08	WLFL4 RAGING R BRIDGE 1008E	Raging	Agreement	so	\$60,000	\$80,000	50	-	en	50	=			600 000	This bridge has a history of scour damage. One of the arch foundations is exposed. Repair scour mitigation measures to protect the
-	Source mining South Early Statemark & Annual			450 000 101									24	201,100	overing, is ac yes only which ouse out is a designated King County Landmark.
70	A STREET, STRE			\$52 893 404	\$84,023,017	\$31,320,613	\$11,966,181	\$14,808,594	\$8.598.805	\$10.670.673	\$8,938,434	\$1,626,623	\$55,607,311	\$139,630,328	
71															
72	WLFLS NE 8TH ST AT LAKE ALLEN OUTLET	Sammamiah	Agreement	50	50	50	50	50	\$400.000	\$1.400.000	\$1,000,000	20	63 600 000	£3 000 000	To address shronic flowding on this sole access roadway with approximately 200 properties, look at upstream and downatream
_		the second stress stress of a low second stress stress								and the second s	3 I VAALLKKI I	51	52 PH4/1881	57 PHEI (XX)	the second design of the second design and the second design and the second design and second based and based

No	The	Besin	Type of project	2016 Inception to Date Excerditure	2017 Revised Inception to Date Rudget	2017 Available Burloot	2018 Recruested	2019 Projected	2020 Producted	2021 Projected	2022 Projected	2023 Projected	6-Year CIP	Project Life	Commath
73	WLF.5 SAMMANISH R BANK REPAIRS	Sammamish	WLR Const	\$106.050	\$419 895	\$313.845	\$721 929	so	50	57	50	5	6721 629	51 141 874	Repair and stabilize here abrot sections of the right riverbank near 1455 to prodect the regional Sammaniah River brail Work is being coordinates with Partis. Full permitting will be required as work will be below OHW, plus an updated easement will be required from WSDOT and RWA sue to 1405 proximity. Construction is targeted for summer 2015 and will likely require debuting brail uses to defined marks.
74	WLFL5 WILLOWMOOR FLDPLAIN REST	Sammamish	WLP. Const	S1 406 458	\$2 717 923	\$1.312.455	(\$161.055)	\$1 684 709	57 011 665	50	50	50	\$3514719	\$6 232 642	International control of the second secon
75	VLFL6 LOWER COAL CRK PH I	Lk Wash Tribe	Agreement	\$1,504.751	\$3 958 751	\$2,454,000	\$5 595 000	\$4 159 000	\$145.000	\$120.000	\$100.000	\$45.000	B10.185.000	514 142 751	Increase conveyance capacity at the five box culvent crossings. Deconnect local storm dminage outfall from Coal Creek and redirect them to Lake Washington, Implemented by City of Bellevue. Expenditure forecast to be updated based on current project schedule.
1	WI FI 6 MAY VALLEY DRAINAGE IMPRVMNT	l k Wash Tribs	WI R Const	\$0	\$0	50	\$80.000	50	60	\$2	50	50	590,000	580.000	As recommended in the May Creck Basin Plan, two sediment trap facilities will be evaluated to limit aediment loading from two May Creck
77	WLFLS FIFTEENMILE CRK BRIDGE 409C	k Wash Tribs	Agreement	\$0	50	30	\$150,000	\$0	\$0	\$0	30	so	\$150,000	\$150,000	Feasibility analysis to identify potential solutions to bank erosion and backwatering problems at bridge,
78	WLFL7 CDR PRE-CONST STRTGC ACO	Cedar	WLR Acqu/Elev	\$2,532,848	\$4,330,532	\$1.797.684	\$0.	\$0	\$0	\$0	.50	\$0	\$0	\$4,330,532	This project will acquice strategic trait estate upon which several arge Food Control District caputal projects are dependent, namely the levee setback projects at the Herzman, Jan Rd, Rhode, Getchman, and Rutledge-Johrson Lover Jones Rd levee segments. Acquisition Junding related to these projects is now included in the individual capital projects.
79	WLPL7 CEDAR LEVEE SETBACK FEAS	Centar	WLR Const	\$1,624,424	\$1,587,587	\$363,163	\$2	<u>ئ</u>	\$0	so	\$0	50	\$0	\$1,987,587	This six-year flood rist reduction capital investment strategy will cover the Cedar River valley from Landsburg Road SE (River Mile 22) to Lake Washington, Completion of this plan is expected in September 2016.
80	WLFL7 CEDAR R REP LOSS MITGATN	Cedar	WLR Acqu/Elev	\$3,182,250	\$3,788,422	\$606,172	50	\$0	\$0.	\$0	\$0	\$0	50	\$3,755.422	Acquire trevently fowled homes. Placeholder funding until District adopts acquisition policy. Canadal investment Strategy. Repair ended and/or section of left bank with bicentineened revenues to stabilize the of bank and to prevent large
<u>ē</u> 1	WLFL7 CEDAR RIVER TRAIL SITE A BANK	Cedar	WLR Const	SO	\$0		- 50	\$100,000	\$100,000	\$200,000	\$490,000	\$0	\$890,000	\$890,000	skale bank bitre.
82	WLELT CEDAR RVR GRAVEL REMOVAL	Cedar	Agreement	\$8,480.221	\$11,102,885	\$2 622 664	\$0	\$962,613	\$104,880	\$445,679	\$111.267	\$114,605	\$1,739.044	\$12,841,929	The project will ensure the minimum required 100-year flood conveyance capacity along the lower 1.25 miles of the Cedar River. Project is a required maintenance action for the Army Corps of Engineers 205 Rood Control Project. Project costs were updated in March 2016.
43	CERTIFICATION	Gedar	Agreement	50	\$2	50	\$750,000	\$3,000,000	\$1,250,000	\$0	so	\$0	\$5.000.000	\$5,000,000	Placeholder for Renton levee certification projects
84	WLFLT ELUIDIT BR LEVEE SETBACK	Codar	WLR Comt	\$2,168,073	\$2,175,408	\$7.335	(37,335)	\$0	50	\$0	50	\$0	17 335	\$2,168,073	Purpose of the project is to sofback levees on both sides of the over below the Eliotr154th ST Bridge. Based on the Cedar Capital Unvestment Strategy has project is no longer achedulac for the near-term 6-year timetrame.
85	WLFL7 FED CORRIDOR IMPLEMENTATION	Cedar	WLR Acqu/Elev	\$932,547	\$5.705.500	\$4.772.953	\$806,284	so	\$0	\$0	.50	\$0	\$806.284	\$6,511,784	Washingtor State Ploodplains by Design grant from the Department of Ecology. The project will byrout residents in high risk areas, increase the capacity for flood storage, and provide corresponding environmental improvements. The project has cost-strate funding from the City of Seattle.
.96	WLFU7 HERZMAN LEVEE SETBACK AND TRAIL	Cedar	WILR Const	\$0	50	\$0	\$944,872	\$226.184	\$3,979,360	\$78,786	\$81,145	\$83 584	\$5 393 935	\$5 303 035	Capital Investment Stategy. Settack levee; estavate side-channel to reduce pressure on revatment; reconstruct, reinforce and/or extend revetment; acquire up to 5 properties.
87	WLFL7 JAN ROAD NEISHEORHOOD	Cedar	WLR Const	\$0	50	\$0	\$900.000	50	50	50	\$0	50	\$900.000	\$900.000	Capital Investment Stategy: Suite of solutions to be datermined as part of feasibility study, includes raise read, partial removal of Jan Hoad levels contructive of side channel, and mitigation of all-faik properties.
36	WLELZ BAINBOW BENDLEVEE STRCK	Cedar	WLR Const	\$2,104,185	\$2,213,285	\$109,100	50	\$0	\$0	90	\$0	\$0	\$0	\$2,213,285	This project represents the Pland District contribution to a larger project to remove the Rainbow Band lever in order to slow flood valocities
89	WLFL7 LOWER CEDAR FEASIBILITY STUDY	Cedar	WLR Comt	\$0	so	02	\$200,000	\$200.000	\$100,000	50	so	50	\$500,000	\$500,000	(Capital Investment States): Conduct (easibility study of Lover Cedar reach in City of Renton to 1) quantity economic damage potential 2) determine isdrastructure modifications to improve flood realismey and sediment storage potential, and 30 conduct cost-benefit analysis.
90	NEIGHBORHOOD	Cedar	WLR Const	\$0	\$36.000	\$36,000	\$3,057,792	\$1,738.873	\$4,569,548	\$1,544,801	\$40.575	\$0	\$10,951,589	\$10,987,589	capital integration stategy, name in place of activate volics road, excavate and solutioning in park to increase conveyance capacity, reinforce one revolument; remove portion of another reventment, acquire 8 at risk properties
91	WLFL7 MAPLEWOOD FEASIBILITY STUDY	Cedar	WLR Const	\$0	\$440,000	\$440.000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$440,000	Capital investment Statiogy. Conduct site specific lanifilitie risk assessment study, conduct a feasibility study to evaluate opportunities to modify the Enckson Laves
92	WLFL7.RIVERBEND.MHP.ACQ	Cedar	WLR Const	\$3,496,455	\$5.357.042	\$1,860,576	\$0	\$2	sa	so	so	50	\$0	\$5,357,042	This project represents the Flood District contribution to a larger project that relocates mobile home park terrants and initiates preliminary engineering dissign to: potential levee settleck / realignment to reduce flood heights, velocities and channel migration risk in this reach.
33	WLFL7 SE 162ND AVE AT 266TH CT	Cedar	Agreement	\$0	\$150.000	\$150.000	\$250.000	\$400,000	\$700.000	\$0	\$0	\$0	\$1,350,000	\$1,500,000	To address a culvert lailure affecting approximately 10 properties, prepare Concept Development Report to analyze and select best culvert replacement and read-railing option; and analyze upstream and downstream retention/detention impacts.
94	WLFL7 SR 169 FEASIBILITY STUDY	Cedar	WLR Const	50	\$260.000	\$260.000	\$61.800	50	50	50	50	\$0	\$61.800	\$321,800	Conduct feasibility study in coordination with WSDOT to evaluate food risk reduction opportunities, such as elievating SR 168, upgralling the local drainage infrustructure, and / or installation of back flow prevention gates.
36	wood sammamist sobusta			8(7,537,203	244,043,237	-317,302,947	\$13,320,507	912,441,079	913,300,403	31,729,200	51,822,991	189,189	\$45,038,985	293,000,190	
98	MIELE BRIDGOE LEVIE SETRAGE	Green	Agreement	\$21,361,073	\$23,330,271	\$1,969,198	\$0	\$0	50	\$0	\$0	\$0	\$0	\$23,330,271	Poodwall censtructor at lour locations completed by the City of Kert, Final expenditures for the remainder of 2017 will include reimburserrent for property acquisition and riparian plantings. The revised 2017 financial plan includes revenue of \$4.1 million for the sale of the Rivers Edge Business Park, Per FCD 2016-20 Section 6, his revenue makes expenditure authority available for the Lower Russel Levers Ethests forces. The Bitace project will be closed out orice the District's ILA with Rev respers in 2018.
99	WLFLE BRPS BLACK R PUMP STATION	Green	WLR Const	\$5,134,042	\$5 374 203	\$240,161	15700 1511	\$0	50	\$0	\$0	50	( <u>\$2</u> 26 161)	\$5.145,042	Expenditures here incude sediment removal, luel system upgrades, life-cycle efficiency analysis to inform future upgrades, and priority items from secently completed needs assessment (2015). New line items established below to account for discrete project elements.
100	WLFLE BAPS CONTROL BLDG RPLOMT	Grech	WLR Const	50	\$50,000	\$50.000	\$480,368	\$1.554.622	\$7,577,624	\$25.887	<b>S</b> 0	\$0	\$9,638,501	\$9.688,501	This project will design and build the second phase of renovations to the Black River pump station. Major components include replacement of the control building, replacement of the trash rake system, and replacement of the super sprav system.
101	WLFLE BRPS FISH PASS MPRVMNTS	Green	WLR Const	so	\$0	\$0	so	so	\$0.	\$831,751	\$2,241,456	\$6 216 855	\$9 389 867	\$9.389 867	This project will design and build the fourth phase of renovations to the Black River pump station, revising and replacing the obsolete fish
100	WLFLE SRPS HIGH-USE ENGINES	Green	WI R Const	50	\$252.900	\$752.900	\$221.179	51 414 074	\$25 133	\$0	50	50	51 cm 30c	\$1 012 286	This project will design and build the first phase of renovations to the Black River pump station, replacing the three smaller pump engines.
100	WLELS BRPS SUPPORT SYS UPGRADES	Green	WLR Const	en	50	50	50	\$176.201	\$202.165	\$770 594	\$26.677		51 600 000	\$1,070,200	This project will design and build the third phase of renovations to the Black River pump station, replacing support systems such as engine
104	WLFLA DESIMONE UDACE 2015	Green	Agreement	\$1,634,658	12,583,620	\$928,922	18035.0021	\$0	50	\$0	50	\$0	0133.023	\$1,639,656	Cost-share Tood damage repair from March 2014 high flows with Corps of Engineers. Construction in 2016.
100	M D POBEEN D DI M DO MITICATH	Groop	Agreement	20.00,350	2052.000	304,000	80,080	50	30	50	50	\$0	36,695	9099.551	upart-mere 1000 carrage repart mon March 2014 high flows with Corps of Engineers. Construction in 2015 This projectival result in actions to miligate environmental damage from the cutting during 20049 (as required by permitting agencies) to maritani eligibility for WS Army Corps of Engineers (PL6499 program. The current militation endits in the Totel orcient
		savelet 1	Sector Gottine	30,000,478	24 043 988	33/3,310	31,610,554	352,000	\$25,000	\$25,000	\$0	\$0	\$1,718,554	\$5,762,542	This project will acquire strategic real estate upon which future large Flood Control District capital projects are dependent, thereby
10	TAPPER CHER HIE-CONSTACO	Green	WLR Acqu/Elev	50	<u>\$0</u>	SO	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$5.000.000	\$30,000,000	\$30,000.000	Inducing rises to construction schedules for those protocts. New project to implement interim SWIF acopted by Board of Supervisors. This project will recomptuit the Honeshoe Bend Levee at the Bream ansch (M 24.45.24.72) is a more stable configuration in and/er to reduce tood nuk to the surrounding area. The project will also
108	WLFL8 HSB BREDA SETBACK	Green	WLR Const	\$0	\$1.755.000	\$1,755.000	\$7,672,674	\$590,285	\$2,427,136	\$982,119	\$0	\$0	\$5.572.214	\$8,277,214	rand invedures: eleverona to contain the SOD-year (0.2% annual chance) fixed. This segment of the leven has the levest factor of safety rating of the Homoshoe Bend levee.

No	The	Beam	Type of project	2016 Inception to Date Expenditure	2017 Revised Inception to Date Budget	2017 Available Budger	2018 Requested	2019 Projected	2020 Projected	2021 Projected	2022 Projected	2023 Projected	6-Year CIP Total	Project Life Total	Commenta
10	R WLFLE HSS MCCOY REALIGNMENT	Green	WLR Const	50	\$400.000	\$400,000	80	\$0	50	50	35	) 50	0 50	\$400.000	New project to implement interim SWIF adopted by Board of Supervisors. This PL 84-89 levee segment contains a "Minimally acceptable" intering by He USACE due to a stope deficiency at RN 24.3 (oversteepened slopes from 1.3 to 1.71/11/br 500 text). The City of Kart constructed a secondary containment levee in this reach, set lack from the inverse edge, wich is euroreful to option of the loderal levee. The anti-unitative secondary containment leves in this reach, set lack from the inverse edge, wich is euroreful to option of the loderal levee. The anti-unitative secondary containment leves in this react, set lack from the inverse edge, which is euroreful to option of the loderal levee. The anti-unitative secondary containment level and the secondary containment when cart of 55 and profile A, respectively. Row the second in this mach techneen 1986 and 2011 is 2.7 final at RM 24.34.4 Funding at 5400,000 ecvers the cost of mape modelization to the decaral levee optimate. Board B, edge and 2011 is 2.7 final at RM 24.34.4 Funding at 5400,000 ecvers the cost of mape modelization to the decaral levee optimate. B and RM 2016 and 2011 is 2.7 final at RM 24.34.4 Funding at 5400,000 ecvers the cost of mape modelization to the decaral levee optimate. B and RM 2016 and RM 24.4 Funding at 5400,000 ecvers the cost of mape modelization to the
11	5 WLFLEHSE NURSING HOME SETBACK	Graen	WLR Const	50	50	50	50	\$0	50	\$100.000	\$2,000,000	\$500,000	52,600,000	\$2 600 000	New project to implement interim SWIF adopted by Board of Supervisors. The Nursing Hama levee is over-absoptened and does not meet outment exploreding standards. The accidentic consequence of levee failure or overloping to the lower Green River value) is extynaive and fould cause fers of million of oddars in damage. This capital project area contains at Mirrinally Acceptable' deficiency by the US Ammy Coars at Engineers at RIV 25. 5 (over steepened siopes from 1, 25 to 1, 74:11 for 225 feet). The Homeshee Bend Levee Certification Report adaptated at Eartor of Safety (Folloy) value for rapid drawdown of 1, 01 at RIV 25. 57 (Section F). This is barely above the minimum FOS (1, 0) from the US Ammy Coars of Engineers immand.
11	1 WLFL8 WTERIM GWIF IMPLEMENTATION 2 WLFL8 LOWER RUSSELL ACO KENT	Green	Agreement	50	\$1,000,000	\$30,000	50	50	50	5	\$0	5	50	\$30.000	is included in the operating according budget.
11	3 WLFLB LWR GRN R CORRIDOR PLAN/EIS	Green	WLR Const	50	\$1,743,249	\$1,743,249	50	50	50	10	50	50	50 50	\$1,743,245	Acquiations by the City of Kant for the Lower Russel levee setback project. Lower Green River Comdor Parving and Environmental Impact Statement
11	WLFLS LWF FUSSELL LEVEE SETBACK	Green	WLR Const	S6 041,888	\$12,077,130	\$6 035 242	\$2_478,808	\$13,910,520	\$18,357,612	\$63,028	30	s	34,810,168	\$46,887,295	Remove and replace the existing flood containment system of levee and revetments along the right (east) bank of the Green River between rver mile 72.65 (\$ 212h; 50) and river mile 19.25 (\$ 231st Way) in the City of Kentr to provide long-term flood protection and improve roarian are equatic habitat. Increased expenditure activity to match interfm SVMF adopted by Board of Supervisors.
11	5 WLFL8 MILWAUKEE LEVEE #2-KENT	Green	Agreament	\$10,768	\$8.500.000	\$8,489,232	52	\$0	50	50	50	s	\$0	\$8,500,000	Instance of analysisman accord occurrent and on an construction americances in provide hous protection, enable levee confidention and socure noccurrent such and rights. Current 3LA with Kert for this first phase is \$3.55 million, the ILA assumes that the total project cost is \$3.5 million.
11	WLFL8 PATTON BRIDGE 3015	Green	Agreement	02	\$150.000	\$150,000	so	\$0	\$0	50	\$0	sc	50	\$150.000	This project will address acour damage to the bridge, which is on the primary through notife of the Green River Vallay Rd. The bridge is also a King County landmark.
11	7 MAFLE PORTER LEVEE	Green Green	WLR Const WLR Const	\$0 \$16,564,851	\$720,000	\$720,000 \$3024,222	50 50	50 50	\$0 \$0	50 50	50 \$0	50 50	sc 50	\$720,000	Contribution the coal of a repair (\$720,000) to a \$7 million level estback project. By relocating the level, https: repair coals for the Flood Control Dahtria provides in response to community concerns, the project axia includes funding to elevate the road so that the school bias serving this inclineation do so not have to drive in the encoming tane to avoid flootwaters. Project scienterflooters will contrain the 2017, diseased articipated in 2016.
115	WLFLE RUSSELL RD UPPER KENT WLFLE S 180TH ST BRIDGE FLOODWALL	Green	Agreemant	\$6,020,673	\$5 072,173	\$51,500	so	\$0	50	50	50	sc	50	\$6,072,173	Project as a implove the lowce by providing a minimum of 3 last of therebasing above the predictors SDD-year flood event and improve slope stability. These expression of the Russell Road Upper Levee have over-steepened slopes and therefore lack adequate structural stability to provide adequate stafety.
12	D EXT	Green	Agreement	\$2	\$95,378	\$65,378	\$0	\$0.	50	SO	\$0	50	50	\$65.378	The project will increase the height of a flood wall to provide approximately 30" of additional flood protection.
12	WLFL8 S 277TH ST REVETMENT WLFL8 SE 360 PL AT SR 164	Green	WLR Const Agreement	\$90,528	5300,000	\$209,472	\$1,726,802	\$1,428,198	\$0	\$0	SO	50	\$3,155,000	\$3.495.000	This project will concuct a feasibility analysis of channel migration hazards from river mile 21,1 to 21,7. No design or construction funding at this forme.
12	WLFL8 SE 384 ST @ 176 AVE SE	Great	Agreement	50	\$0	83	\$0	50	\$0	50	\$150.000	\$1,500,000	\$1,650,000	\$1,650,000	This project will analyze cutver replacement and read-rawing options and implement the preferred option. These five bridges are subject to having the readway approach fill weak out during a flood, Excovate approaches and rebuild approaches to provertioning approaching the readway approach.
12	WLFLESIGNATURE POINTE REVETMENT	Green	WLR Const	\$0	\$300,000	\$300,000	\$0	\$9	\$0	50	50	50	50	\$300,000	Significate 3 officing is a reventional sector on the Green River between over mid-20 de and 20 table 10 table.) Significate 3 officing is a reventional sector on the Green River between over mid-20 de and 20 table 10 des en officients and an alternatives analysis to sector for accordition due to instead use their instead of 0 of protection, or meaning mean the anner that can be confided and accordited, an alternative active increased food protection, combanisment and not protection in a ramer that can be confided and accordited.
125	WLFL& TUK-205 RATOLO FLOODWALL	Green	WLR Const	10	so	\$0	\$0	\$0	50	50	\$1,500,000	- \$300.000	\$1,800,000	\$1.800.000	New project is implement interm: SWIF adopted by Board of Supervisors. This project will construct a 0,15 mile Sootwall and sloped embankment is project adjacent businesses from flooding. The floodwall signment (including embankment slope, factors of safety, and necessary real setting will be individed inform the encoded desire back.
1.26	WLFL8 TUK-205 SEGALE FLOODWALL	Green	WLR Const	50	50	52	ស	\$0	\$601,000	\$562,754	\$3,186,003	\$3,283,643	\$7,635,400	\$7.635.400	New project to imperiode interim BMVE adjusts by Based of Based Annual Expensions. The Gase postion of the "Hubble 2005 level postback noise make 11.673 and 15.83 to over-stocponent and damaged are cannot be adjustable propared using the existing reservation. This project would adjust preperties before with the Annual Cester of Cester B. Re-66 exhibition proteins.
127	WLFLB TUK-205 USACE GACO REPAIR	Green	WLR Const	\$44,246	\$9,064,053	\$9,019,807	13,796,580	\$15,913	\$0	\$0	50	50	\$3,812,493	\$12,876,546	600 feet of scour has explored rock armor. No sign of armor loss, Interim SWIF capital project is for 0.33 miles of foodwall and belacour option inclusion vulnerability to litether type, and damage to believe
125	Green-Duwamish Subtotal	Green	WLA Const	\$63,419,418	\$2,209,817 \$97,563,721	\$34,164,303	\$16,786,577	\$0 134,240,875	\$35 235 873	\$0 \$8,470 123	50	50	50	\$2,209,817	Green River Comido: Planning (under Bystem-Wide Improvement Framework agreement with Anny Corps of Engineers)
130													*110.7287.000		
132	WLFL9 BUTTE AVE FLOOD MITIGATION	White	Agreement	50	\$470.000	\$470,000	50	50	<del>ي</del> ع	50	50	\$0	so	\$470.000	This project will reduce flood risks to residences and businesses in the Cities of Pacific and Algona by addressing backwatering and drainage problems in Government Canal from high river flows. The project will design and permit a stormwater pump station which will alignificant? reduce flood risks to approximately first hundred homes and businesses. The completed project will also reduce long-term mad debuces that have eccurred in the asta due to flooding.
133	WLFLS COUNTYLINE TO A STREET	White	WLR Const	\$12,662,350	\$24,004,419	\$11,342,059	so	10	\$0.	\$0	50	so	\$0	\$24 004 419	Reduces fbod elevations that impact residential neighborhoods in the City of Pacific (200 homes, with \$52 million of assessed and \$13
134	WLFL9 RED CREEK ACQUISITIONS	White	WLR Acqu/Elev	\$0	50	so	\$0	\$0	\$0	50	50	\$100,000	\$100,000	\$100.000	Permanently eliminate the risk to public safety along this match by acquiring and removing residential structure. Placeholder funding for approximation or and the risk to public safety along this match by acquiring and removing residential structure. Placeholder funding for approximation or and the resident dependent or all information with matching and removing residential structure.
135	WLFLE RIGHT BANK LEVEE SETBACK	White	WLR Const	\$10,578,055	\$12,151,199	\$1,573.144	\$1,079,358	\$1,989,187	\$7 887 849	\$5,797,495	\$69.556	sn	\$16 823 445	528 974 644	Construct a new leven solback in the City of Pacific, extending from BNSF rained bridge embankment to endport at Butte Ave, by White Rever Extension cookbest-and
137	White Subtotal	White	WLR Acquilliev	\$23,240,415	\$0 \$36,625,618	\$0 \$13,385,203	\$0 \$1,079,358	\$0 \$1,989,187	\$0 \$7 887 849	\$0 \$5 797 495	\$0 \$60,560	\$100,000	\$100,000	\$100,000	This project would activite fload prone residence along the White River near the Greenwater River
138												0200,020	311,023,445	\$35,048,065	
140	WLELS SOUTH PARK PUMESTATION	Scattle	Agreement	\$1,786.219	\$6,001,331	\$4,215,112	(51,216:172)	50	\$4,718,781	\$0	50	\$0	\$503,669	\$6.505.000	Cost-share construction of pump station to reduce flocding in incustrial area. Allocation of funds by year may be revised based on updated project schedule, impemented by the City of Sestile. Expenditure forecast to be updated based on current project schedule.
143	WLFLS S PARK DRAINAGE IMPROVEMENTS Seattle Subtotal	Seattle	Agreement	\$720 \$1,786,939	\$1,000,000	\$969 280 \$5 214 392	\$0	\$1,550,000	\$1,455,000	\$0	50	50	\$3.005,000	\$4.005.000	The South Park Drainage Conveyance Improvements Project will install a format conveyance system in the streets, to get flows to the party station. The conveyance improvements will work in cargunetion with the Pump Station.
143						Street and the							21,000,000	\$10,510,000	
145	WLFLX CORRIDOR PLN DESIGN/CONST PLACEHOLDER	Countywade	WLR Const	50	\$142,610	\$142,610	50	50	50	50	50	- \$27 000 000	\$27,000,000	517 142 FM	Placeholder for comdar plan implementation project(s;
146	Countywide Corridor Plan Imp Sublotal	and a second sec	and an and a second second	\$0	\$142,610	1142,010	\$0	\$0	30	30	10	\$27,000,000	\$77,000,000	877 147 610	

No. Titis	Beeln	Type of project	2016 inception to Date Expenditure	2017 Revised Inception to Date Budget	2017 Available Budget	2018 Requested	2019 Projected	2020 Projected	2021 Projected	2022 Projected	2023 Projected	6-Year CIP Total	Project Life Total	Commente
148														
149 WLFLG FLOOD REDUCTION GRANTS	Countywide	Grant	\$2,585,919	\$11,600,690	\$9.014.771	\$3,065,306	\$3,161,211	\$3,232,718	\$3,303,258	\$3,374,100	\$3,445,293	\$19,601,888	\$31,202,676	Competitive grant begaram for food reduction projects. Increases as a proportion of total ECD tax revenue
150 WLFLG WRIA GRANTS	Countywide	Grant	\$11,348,474	\$23,099,255	\$11,750,781	\$4 520 525	\$4,654,617	\$4 792 687	\$4 934 853	\$5,081,235	\$5 231 990	\$29 715 878	152 315 133	Cooperative Watershed Management Grant Program; priorities recommended by watershed groups, Increase based on assumed inflation
151 WLFLM EFFECTIVENESS MONITORING	Countywide	WLR Const	\$1,616,734	52,218,519	\$501,785	\$1,079,734	\$702,778	\$630,323	\$813,940	\$757,475	\$510,698	\$4,701,949	\$5 920 468	Evaluation of capital projects to determine offectiveness and identify provid dealers increases
152 WLELO SUBREONL CEPRINTY FUND	Countywide	Grant	\$27,038,460	\$43 683 268	\$15,644,808	\$5,738,670	\$5,879,852	\$6,012,856	\$6,144,060	\$6,275,827	\$6,408,245	\$36,459,510	\$80,142,776	Allocation to all King County jurisdictions for floading, water quality, or watershed management projects. Increases as a proportion of total FCD tax revenue.
153 WUFLA CENTRAL CHARGES	Countywide	WLR Const	\$652.217	\$781,453	\$129,275	\$130,000	\$132,600	\$135,252	\$137,957	\$140,715	\$143,531	\$620,056	51,601,549	Central charges related to the FCD's capital fund.
104 MICHCK FLOOD EMERGENCY CONTORCY	Geontywida	WLR Const	\$300.001	\$800,917	\$500.918	50	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$1,250,000	\$2,050,917	Contingency for amingency response actions during a flood event.
180 Jack Miller Dubuster		-	340.541,805	5/12/164/142	138,642,397	\$14,551,225	\$14,791,056	\$15,253,836	\$15,564,068	\$15,800,354	\$15,989,728	\$92,048,278	\$174,233,420	
157 Grand Total		I HORE AND IN	1212.215 265	\$352 203 469	1135 364 405	153 496 926	555 841 091	107 510 532	144 111 235	131 234 458	141 800 817		#700 400 300	

Page 5 of 5