



KING COUNTY
Signature Report

1200 King County Courthouse
516 Third Avenue
Seattle, WA 98104

November 17, 2015

FCD Resolution

Proposed No. FCD2015-11.2

Sponsors

1 A RESOLUTION relating to the operations and finances of the
2 King County Flood Control Zone District, adopting the 2016
3 budget and authorizing 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 2016 budget of the District on
6 November 16, 2015; and

7 WHEREAS, the board of supervisors ("Board") desires to adopt the District's
8 2016 budget; and

9 WHEREAS, King County Ordinance 15728, which created the District, adopted
10 the "2006 King County Flood Hazard Management Plan" ("District Comprehensive
11 Plan") as the initial comprehensive plan for the District; and

12 WHEREAS, pursuant to RCW 86.15.110, the District Board must approve by
13 resolution all flood control and storm water control improvements prior to the extension,
14 enlargement, acquisition or construction of such improvements; and

15 WHEREAS, RCW 85.15.110 further provides that such approval resolution must
16 (1) state whether the improvements are to be extended, enlarged, acquired or constructed,
17 (2) state that the comprehensive plan has been adopted, (3) state that the improvements
18 generally contribute to the objectives of the comprehensive plan, (4) state that the

19 improvements will benefit the county as a whole, (5) state the estimated costs of the
20 improvements and (6) identify the data supporting the estimated costs; and

21 WHEREAS, the District Board desires to approve improvements in the District's
22 2016 budget that are not in the District Comprehensive Plan, in accordance with RCW
23 85.15.110; now, therefore

24 BE IT RESOLVED BY THE BOARD OF SUPERVISORS OF THE KING
25 COUNTY FLOOD CONTROL ZONE DISTRICT:

26 SECTION 1. The Board hereby adopts the 2016 budget for the District, as set
27 forth in Attachments A ("2016 Work Program"), B ("2016 Annual Budget dated
28 November 2, 2015"), C ("2016 Annual Operating Budget dated November 2, 2015"), D
29 ("2016 Capital Budget"), E ("2016 - 2021 Capital Budget"), F ("2016 Annual District
30 Oversight Budget"), G ("2016 Subregional Opportunity Fund Allocations") and H
31 ("2016-2021 Capital Budget Project List."), provided that King County shall submit pre-
32 design reports for capital projects to the District executive director, and shall seek
33 approval from the executive director of project charters. Furthermore, King County shall
34 provide the District executive committee with 30 percent design project reports for
35 authorization to proceed with 60 percent design.

36 SECTION 2. Prior to the expenditure of District funds on the project titled
37 "WLFL 8 Porter Levee ERES" that is in the Green River Basin category, the District and
38 the affected property owner must enter into an easement agreement.

39 SECTION 3. The Board approves the extension, enlargement, acquisition or
40 construction, as applicable, of the improvements that are not included in the District
41 Comprehensive Plan and that are identified in Attachments C, D and H to this resolution

42 and determines that such improvements generally contribute to the objectives of the
43 District Comprehensive Plan and will be of benefit to the county as a whole.

44 SECTION 4. The estimated costs of the improvements is stated in Attachments
45 C, D and H to this resolution, and the supporting data for the estimated costs is on file
46 with the director of King County water and land resources division.

47 SECTION 5. For improvements that will be constructed, preliminary engineering
48 studies and plans either have been prepared or will be prepared, and have been filed or
49 will be filed, with the Director of King County Water and Land Resources Division.

50 SECTION 6. The Board authorizes the Executive Committee to modify project
51 budgets and schedules identified in Attachment H provided all changes remain within the
52 identified basin and overall basin budget allocation as identified in Attachments C and D.

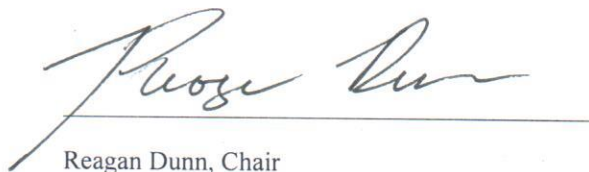
53 SECTION 7. In accordance with the interlocal agreement between the District
54 and King County, Section 3.5, King County shall notify the District Executive Director in
55 writing if the County needs to modify or reprioritize capital projects. King County's
56 notifications to the District should include information regarding variations within project
57 budgets of more than twenty percent in the "acquisition", "design", "construction",
58

59 "contingency" and "total" expenditure categories, shown on Attachments D to this
60 resolution.
61

FCD Resolution was introduced on and passed as amended by the King County Flood Control District on 11/16/2015, by the following vote:

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

KING COUNTY FLOOD CONTROL DISTRICT
KING COUNTY, WASHINGTON



Reagan Dunn, Chair

ATTEST:



Anne Noris, Clerk of the District

Attachments: A. 2016 Work Program, B 2016 Annual Budget dated 11-2-15, C 2016 Annual Operating Budget dated 11-2-15, D. 2016 Capital Budget, E. 2016-2021 Capital Budget, F. 2016 Annual District Oversight Budget, G. 2016 Subregional Opportunity Fund Allocations, H. 2016-2021 Capital Budget Project List

King County Flood Control District 2016 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
 - Asset management
 - Capital improvement priorities
 - Capital improvement implementation evaluation
 - Public awareness priorities
 - Post flood event review and evaluation
 - Federal and state legislative agenda
 - Legal services, financial management, and Washington State audit
- Operations Work Program
 - 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)

2016 Priorities:

Management & Budget

- Seek state funds for I-90 and Lower Russell Road
- Seek federal assistance with US Army Corps issues
- Align capital expenditure schedules
- Provide budget issue requests to Advisory Committee

Policy Development

- Acquisition Policy
- Fund Balance Policy
- SEPA Policy
- Equity & Social Justice Policy
- Mitigation approach for shade and related habitat including participation in the mitigation reserve program

Capital Projects

- Establish protocols for capital project scope approval by District – project charters, alternatives analysis report, 30% design, and 60 % design.
- 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
- Reports from WLRD on capital project progress

Real Estate

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

Planning

- Interim SWIF Approval
- South Fork Snoqualmie Plan Approval
- Tolt River Plan Approval
- Snoqualmie Middle Fork Planning Process
- Cedar River Plan Approval
- Lower Green River Planning Process
- 2018 Flood Hazard Management Plan Update Process

Grants

- Monitor Opportunity Fund Project Implementation
- Monitor WRIA Grant Progress and Identify Leveraging Opportunities
- Outreach for Flood Reduction Grants Program

Communications

- Web Site Upgrades
- Capital Project Outreach
- Planning Process Outreach
- Flood Awareness Month

Evaluation and Effectiveness

- Report from WLRD on project outcomes based on monitoring data
- Report on channel migration zone mapping
- Report on nexus of recreation and flood project impacts
- Report on climate change progress with University of Washington partnership
- Report on landslide mapping and nexus with rivers

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
 - 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 post-flood 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:
 - Floodplain delineation and mapping
 - Channel migration zone delineation and mapping
 - Channel monitoring
 - Gravel removal studies and analysis
 - 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 States 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.
- 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
 - 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))
 - Survey
 - Conduct pre- and post-construction ("as-built") survey
 - 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
 - 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.

King County Flood Control District

2016 Annual Budget
Attachment B

November 2, 2015

| Program | 2014 Actuals | 2015 Approved | 2015 Revised | 2016 Requested |
|--|-------------------|-------------------|--------------------|-------------------|
| Flood District Administration | 407,901 | 644,213 | 647,300 | 661,932 |
| Maintenance and Operation | 7,025,807 | 9,222,891 | 9,335,891 | 9,937,300 |
| Construction and Improvements | 55,793,868 | 57,852,175 | 132,567,667 | 26,113,456 |
| Bond Retirement and Interest | \$0 | \$0 | \$0 | \$0 |
| Total | 63,227,577 | 67,719,279 | 142,550,858 | 36,712,688 |
| Projected Capital Reserves - Cash Fund Balance ¹ | \$50,123,167 | \$45,965,169 | \$49,356,357 | \$56,604,639 |
| Projected Capital Reserves - Budgetary Fund Balance ² | (\$19,079,149) | (\$43,885,591) | (\$36,812,627) | (\$9,642,000) |

¹ The cash fund balance assumes an expenditure rate of 41% of the capital budget in 2016, informed by prior year actuals.
² The budgetary fund balance assumes 100% expenditure of all budgeted amounts and is used to understand budgetary commitment.

King County Flood Control District

**2016 Annual Operating Budget
Attachment C**

November 2, 2015

| | 2014 Actuals | 2015 Approved | 2015 Revised | 2016 Requested |
|--|--------------------|--------------------|--------------------|--------------------|
| Annual Maintenance | \$1,870,613 | \$2,132,048 | \$2,132,048 | \$2,333,300 |
| Flood Hazards Plan, Grants, Outreach | \$554,111 | \$424,852 | \$424,852 | \$425,000 |
| Flood Hazard Studies, Maps, Technical Services | \$594,447 | \$1,140,872 | \$1,140,872 | \$1,204,000 |
| Flood Preparation, Flood Warning Center | \$307,337 | \$463,000 | \$463,000 | \$463,000 |
| Program Management, Supervision, Finance, Budget | \$1,139,774 | \$791,390 | \$791,390 | \$791,400 |
| Program Implementation | \$1,702,060 | \$1,629,559 | \$1,629,559 | \$1,629,600 |
| Overhead / Central Costs | \$857,466 | \$2,641,170 | \$2,754,170 | \$2,699,000 |
| District Planning, Outreach, Policy Technical Services | \$0 | \$0 | \$0 | \$392,000 |
| Total | \$7,025,807 | \$9,222,891 | \$9,335,891 | \$9,937,300 |

King County Flood Control District

2016 Annual Capital Budget
Attachment D

10-15-15

| Basin | Acquisition | Design | Construction | Contingency | Total |
|---|-------------|-------------|---------------|-------------|--------------|
| Snoqualmie River Basin | \$1,809,743 | \$839,463 | \$6,237,737 | \$1,767,071 | \$10,654,014 |
| Cedar River Basin | \$125,972 | \$1,941,176 | (\$2,571,728) | \$0 | (\$504,580) |
| Green River Basin | \$0 | (\$622,317) | \$3,184,469 | \$0 | \$2,562,152 |
| White River Basin | \$0 | (\$405,881) | \$95,414 | \$26,417 | (\$284,050) |
| Seattle | \$0 | \$0 | \$500,000 | \$0 | \$500,000 |
| Effectiveness Monitoring | \$0 | \$0 | \$0 | \$0 | \$0 |
| Countywide Corridor Plan Implementation | \$0 | \$71,305 | \$0 | \$0 | \$71,305 |
| Countywide Miscellaneous | \$0 | \$0 | \$0 | \$250,000 | \$250,000 |
| Opportunity Fund | \$0 | \$0 | \$5,564,783 | \$0 | \$5,564,783 |
| Grant Fund | \$0 | \$0 | \$2,991,819 | \$0 | \$2,991,819 |
| WRIA Grant Funding | \$0 | \$0 | \$4,308,013 | \$0 | \$4,308,013 |
| Total | \$1,935,715 | \$1,823,747 | \$20,310,506 | \$2,043,488 | \$26,113,456 |

King County Flood Control District

2016 - 2021 Six-Year CIP
Attachment E

10-15-15

| Name | 2015 Adopted | 2015 Revised | 2016 Proposed | 2017 | 2018 | 2019 | 2020 | 2021 | 2016 - 2021 Total |
|---|--------------|---------------|---------------|--------------|--------------|--------------|--------------|--------------|-------------------|
| Snoqualmie River Basin | \$9,236,644 | \$30,849,381 | \$10,654,014 | \$23,667,367 | \$8,391,238 | \$7,379,425 | \$18,071,112 | \$3,312,426 | \$71,475,582 |
| Cedar River Basin | \$11,123,330 | \$20,211,461 | (\$504,580) | \$13,906,169 | \$9,550,986 | \$5,692,617 | \$5,693,330 | \$10,000 | \$34,348,522 |
| Green River Basin | \$18,642,586 | \$37,151,524 | \$2,562,152 | \$20,814,562 | \$4,187,355 | \$7,718,554 | \$3,708,922 | \$1,514,650 | \$40,506,195 |
| White River Basin | \$4,770,658 | \$9,981,965 | (\$284,050) | \$7,768,485 | \$5,562,500 | \$6,907,500 | \$120,000 | \$100,000 | \$20,174,435 |
| Seattle Projects | \$1,190,575 | \$1,599,964 | \$500,000 | \$3,810,756 | \$1,500,000 | \$1,000,000 | \$1,000,000 | \$0 | \$7,810,756 |
| Effectiveness Monitoring | (\$127,348) | \$688,839 | \$0 | \$898,945 | \$542,472 | \$422,823 | \$386,497 | \$386,497 | \$2,637,234 |
| Countywide Corridor Plan Implementation | \$71,305 | \$71,305 | \$71,305 | \$2,489,775 | \$2,452,537 | \$11,213,074 | \$9,430,286 | \$2,010,077 | \$27,667,054 |
| Countywide Miscellaneous | \$334,330 | \$661,530 | \$250,000 | \$434,678 | \$440,219 | \$445,925 | \$435,086 | \$435,086 | \$2,440,994 |
| Subregional Opportunity Fund | \$5,499,189 | \$14,917,990 | \$5,564,783 | \$5,721,217 | \$5,870,358 | \$6,020,123 | \$6,171,564 | \$6,326,105 | \$35,674,150 |
| Grant Fund | \$2,883,634 | \$5,542,957 | \$2,991,819 | \$3,075,923 | \$3,156,106 | \$3,236,625 | \$3,318,045 | \$3,401,132 | \$19,179,650 |
| WRIA Grant Funding | \$4,227,272 | \$10,890,751 | \$4,308,013 | \$4,390,296 | \$4,474,151 | \$4,559,607 | \$4,646,695 | \$4,735,447 | \$27,114,209 |
| Total | \$57,852,175 | \$132,567,667 | \$26,113,456 | \$86,978,173 | \$46,127,922 | \$54,596,273 | \$52,981,537 | \$22,231,420 | \$289,028,781 |

King County Flood Control District
2016 Annual District Oversight Budget
Attachment F
10-15-15

| | 2015 Adopted | 2015 Revised | 2016 Proposed |
|-----------------------------|-----------------|-----------------|------------------|
| Management & Support | \$273,182 | \$257,937 | \$265,675 |
| Rent and Equipment | \$10,927 | \$0 | \$11,255 |
| Legal Services | \$89,604 | \$89,604 | \$92,292 |
| Accounting | \$82,400 | \$82,400 | \$84,872 |
| State Auditor | \$16,391 | \$16,391 | \$19,000 |
| Other Professional Services | \$75,750 | \$105,000 | \$90,000 |
| Expenses | \$16,391 | \$16,391 | \$16,883 |
| Insurance | \$79,568 | \$79,568 | \$81,955 |
| Total | \$644,213 | \$647,291 | \$661,932 |

King County Flood Control District

2016 Subregional Opportunity Fund Allocations
Attachment G
10-15-15

| Jurisdiction | Opportunity Fund Allocation | Project Name | Project Description |
|--------------------|-----------------------------|---|--|
| Algona | DEFERRING \$10,000 | | |
| Auburn | \$95,971 | North Central Storm Improvements Phase 1B 30th St NE Area Flooding | Design and construct replacement of storm sewer pipe with larger pipe to alleviate flooding in north central Auburn. |
| Beaux Arts | \$10,000 | Stormwater Management Plan | To develop a stormwater plan that provides a comprehensive assessment of the existing system capacities, address potential changes due to development, and identify flow control and water quality treatment measures that work in conjunction with new town codes and meet Ecology's Stormwater Manual. |
| Bellevue | \$591,693 | Factoria Blvd. Storm Conveyance Improvements | Design and construct improvements to reduce or eliminate flooding caused by insufficient drainage system capacity along Factoria Boulevard between SE 38th St. and Richards Creek. |
| Black Diamond | \$10,000 | DEFERRING | |
| Bothell | \$56,502 | DEFERRING | |
| Burien | \$66,847 | DEFERRING | |
| Camation | \$10,000 | Stormwater Facility Inventory | |
| Clyde Hill | \$29,112 | DEFERRING | Finish the inventory of the various stormwater facilities in the ROW and develop a maintenance plan to ensure the facilities are operating correctly. |
| Covington | \$27,793 | Clements Drainage Project | Complete design for project that will include upgrading the last portion of this drainage course and modifying existing conveyance in the vicinity to improve drainage. |
| Des Moines | \$39,303 | DEFERRING | |
| Duvall | \$14,298 | Parkwood Estates Pond Retrofit | Retrofit an existing pond by adding storage and water quality components. Will reconstruct pond and add biofiltration swales to improve water quality at the pond outlet. |
| Enumclaw | \$15,912 | DEFERRING | |
| Federal Way | \$120,559 | Marine Hills Conveyance System Repair Phase I | Repair or replace failing or substandard stormwater conveyance system in Marine Hills subdivision. Include design and construction. |
| Hunts Point | \$13,505 | DEFERRING | |
| Issaquah | \$105,953 | Salmon Run Nature Park Stream Restoration | Construct bank stabilization on east bank of Issaquah Creek in Salmon Run Nature Park to mitigate ongoing erosion and associated flood hazard and threats to buildings and infrastructure. |
| Kenmore | \$48,466 | 192nd Culvert Replacement | Replace an undersized culvert with a new box culvert to eliminate the repeated flooding that occurs at this location. |
| Kent | \$191,012 | Upper Mill Creek Dam Improvements | Design and construct improvements that will include modifications to dam's outlet pipes and spillway to meet standards, and raise the height of the dam by 5.5 feet to provide 50-acre-feet of additional flood storage within the dam's reservoir. |
| King County | \$530,532 | Fairwood 4: Stormwater Improvement | Design and construct pipe repair at Fairwood Park Division 4. |
| Kirkland | \$271,161 | DEFERRING | |
| Lake Forest Park * | \$0 | Lyon Creek Flood Mitigation (Relies on prior year appropriation. *) | Four undersized 6' culverts will be replaced with stream simulation sized culverts that are 20' wide, over 1500' of stream channel will be enhanced to accommodate the increased flows during storm events and the stream channel will be regraded through the project area to increase the velocity of low flows allowing sediment to move through to the lake. |
| Maple Valley | \$41,666 | DEFERRING | |
| Medina | \$47,168 | Medina Park Stormwater Pond Improvements | Remove and dispose of sediment to increase pond storage volume, install outlet control device at upper pond. |
| Mercer Island | \$146,720 | Calkins Landing Shoreline Restoration | Design and construct shoreline improvements including removal of concrete bulkhead, grading of shoreline, and installation of native trees and shrubs. |
| Milton | \$10,000 | DEFERRING | |
| Newcastle | \$33,679 | Lake Boren Property Acquisition | Acquire 3.7 acres including the outlet of Lake Boren and Boren Creek, remove unpermitted bridge that impedes flow, demolish homes, restore site. |
| Normandy Park | \$18,543 | DEFERRING | |

| Jurisdiction | Opportunity Fund Allocation | Project Name | Project Description |
|----------------------------|-----------------------------|--|---|
| North Bend | \$14,549 | Ribary Creek Basin Analysis | Study and identify maintenance problems and provide recommendations that can be addressed by city maintenance crews and identified and budgeted in future CIP. |
| Pacific | \$10,000 | DEFERRING | |
| Redmond | \$208,656 | Tosh Creek 159th Ave Vault | Replace an under-performing stormwater vault with a larger facility to control flows in Tosh Creek in Redmond. |
| Renton | \$179,202 | Cedar River Gravel Removal – Final Design & Mitigation | Design mitigation for the ongoing and future maintenance dredging in the Cedar River for the purpose of reducing flooding to the Renton Municipal Airport, Boeing Commercial Airplane Plant and various public facilities. |
| Sammamish | \$166,307 | Inglewood Hill Trunkline and Non-motorized Improvement Project | Upgrade and install new stormwater facilities to address water quality, flooding and erosion problems to support existing and future development. Approximately 6,100 lf of storm drain pipe, enhanced water quality treatment of over seven acres of pollution generating surfaces, non-motorized improvements, and replacement of an existing stormwater outfall will be constructed. |
| SeaTac | \$38,424 | DEFERRING | |
| Seattle | \$2,089,273 | 1) NW 120th St. & 9th Ave NW Outfall & Drainage Improvements 2) Lickon Springs Flood Reduction 3) Longfellow Creek Flood & Habitat Enhancement | 1) Replace a failed outfall at the west end of NW 120th St., install storm drain pipe and repair roadside ditches to increase flooding service levels in the right-of-way and on private properties upstream. 2) Complete design and permits, construct storm drainage improvements near Lickon Springs Park in northwest Seattle. Improvements include inlet modifications on Woodlawn Ave N. to increase capacity and reduce frequency of dogging, and adding capacity to the drainage system along Woodlawn Ave N between N 95th St and N 92nd St. 3) Complete design and permitting for a project that would remove four undersized driveway culverts and replace with 12-foot arch culverts, widen stream channel along 500 feet of private property and possibly along 500-1000 feet of public property. Install instream structure such as large woody debris. |
| Shoreline | \$111,086 | 25th Ave NE Flood Reduction | Design and construction to increase the size of approximately 624 feet of existing culverts between Bruggen's Bog Park and NE 195th St. to a capacity sufficient to pass the 100-year event peak flows, in order to prevent flooding on private and public property. |
| Skykomish | \$10,000 | Stormwater System Inventory for Flood Reduction | Collect and inventory stormwater system for evaluation and analysis in flood reduction efforts. |
| Snoqualmie | \$30,072 | Snoqualmie Riverfront Demolitions | Deconstruct, recycle and demolish former residential buildings on 2-3 city-owned properties in the Snoqualmie Riverfront Reach. Demolition activities include recycling surveys, hazardous waste surveys & abatement, stormwater site planning & protection, permitting and material removal. |
| Tukwila | \$62,072 | Tukwila 205 Levee Certification Phase 2 | Conduct Phase 2 of the levee certification project by studying deficient levee sections identified in Phase 1 and performing detailed site-specific engineering analyses. |
| Woodinville | \$40,595 | 160th Avenue NE Culvert Replacement | Replace an undersized 18" cross-culvert conveying Cold Creek under 160th Avenue NE with a 30" diameter culvert. |
| Yarrow Point | \$13,950 | CIP #1 – 4201 92nd Ave NE | Replace about 40 linear feet of 12-inch pipe with 24-inch pipe to better convey flows from developed conditions currently allowed by zoning code. |
| Jurisdiction Totals | | \$5,530,584 | |

Deferrals \$630,975

Projects \$4,899,608

* LFP Repayment

Applied towards \$300,000 advance in 2015. The FCD Board approved an advance payment of \$300,000 to Lake Forest Park in resolution FCD2015-07.2, repayable through future Opportunity Fund allocations, and subject to interest on the debt. This allocation reduces the outstanding advance appropriation to \$265,801.

King County Flood Control District

2016 - 2021 Six-Year CIP Project Allocations
Attachment H

10-15-15

Grant/External Funding
Cost Share

| No. | Title | 2014 ITD Expenditure | 2015 Record ITD Budget | 2015 Available Budget | 2015 Estimated Expenditure | 2015 Estimated Carryover | 2016 Proposed | 2017 Projected | 2018 Projected | 2019 Projected | 2020 Projected | 2021 Projected | 6-Year CIP Total | Project Life Total |
|-----|-------------------------------------|----------------------|------------------------------|--------------------------|-------------------------------|-----------------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------------|-----------------------|
| 0 | WLFLO SKY W RVR DR FLOOD STUDY | \$1,256 | \$61,237 | \$79,981 | \$0 | \$79,981 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$61,237 |
| 1 | WLFLO MILLER R RD PROTECTION | \$106,559 | \$106,559 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$106,559 |
| 2 | WLFLO MILLER RIVER HOME BUYOUT | \$494,963 | \$494,963 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$494,963 |
| 3 | WLFLO SF SKYKASH REP LOSS MIT | \$283,576 | \$287,636 | \$4,060 | \$0 | \$4,060 | \$0 | \$0 | \$0 | \$0 | \$40,000 | \$240,014 | \$280,014 | \$567,650 |
| 4 | WLFLO SKYKOMISH HOME BUYOUTS | \$390 | \$390 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$400,000 | \$400,380 | \$400,380 |
| 5 | WLFLO TIMBER LN EROSN BUYOUTS | \$1,245,204 | \$1,770,950 | \$525,746 | \$400,000 | \$125,746 | \$683,495 | \$601,000 | \$619,030 | \$0 | \$0 | \$0 | \$1,803,525 | \$3,574,475 |
| 6 | WLF1 428TH AVE SE BR FEASIBILITY | \$0 | \$300,000 | \$300,000 | \$50,000 | \$250,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$300,000 |
| 7 | WLF1 1 CIRCLE RVR RANCH RISK RED | \$37,769 | \$150,000 | \$112,231 | \$80,000 | \$32,231 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$150,000 |
| 8 | WLF1 1 MEADOWBROOK 2011 REPAIR | \$128,545 | \$128,545 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$128,545 |
| 9 | WLF1 1 MF SNO CORRIDOR IMP | \$0 | \$1,531,678 | \$1,531,678 | \$0 | \$1,531,678 | \$1,531,678 | \$1,608,830 | \$391,776 | \$1,244,138 | \$3,325,360 | \$0 | \$5,038,416 | \$6,570,094 |
| 10 | WLF1 1 MF SNO CORRIDOR PLAN | \$1,296,129 | \$1,730,605 | \$434,476 | \$85,000 | \$349,476 | \$94,307 | \$0 | \$0 | \$0 | \$0 | \$0 | \$84,307 | \$1,824,912 |
| 11 | WLF1 1 N BEND RESID FLD MITGTN | \$1,466,832 | \$1,555,476 | \$88,644 | \$88,000 | \$644 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$1,555,476 |
| 12 | WLF1 1 RECORD OFFCE 2011 REPAIR | \$302,452 | \$302,635 | \$383 | \$0 | \$383 | (\$383) | \$0 | \$0 | \$0 | \$0 | \$0 | (\$383) | \$302,452 |
| 13 | WLF1 1 SF SNO CORR EARLY ACTION | \$180,744 | \$4,774,020 | \$2,193,276 | \$1,500,000 | \$693,276 | \$1,188,724 | \$12,681,891 | \$0 | \$0 | \$0 | \$0 | \$13,870,615 | \$16,644,635 |
| 14 | WLF1 1 SF SNO CORRIDOR IMP | \$0 | \$102,163 | \$102,163 | \$0 | \$102,163 | \$28,608 | \$113,142 | \$719,807 | \$285,847 | \$6,109,645 | \$0 | \$7,257,049 | \$7,359,212 |
| 15 | WLF1 1 SF SNO CORRIDOR PLAN | \$2,154,206 | \$2,385,141 | \$230,935 | \$230,935 | \$0 | \$236,313 | \$0 | \$0 | \$0 | \$0 | \$0 | \$236,313 | \$2,621,454 |
| 16 | WLF1 1 SR202 SF BRIDGE LENGTHEN | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$100,000 | \$100,000 | \$200,000 | \$200,000 |
| 17 | WLF1 1 UPPER SNOQ 2015 FLOOD REPAIR | \$0 | \$700,000 | \$700,000 | \$10,000 | \$690,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$700,000 |
| 18 | WLF1 1 UPR SNO RES FLD MITGTN | \$7,711,920 | \$12,391,440 | \$4,679,520 | \$1,261,094 | \$3,418,426 | (\$1,150,049) | \$2,739,187 | \$2,048,863 | \$2,110,329 | \$2,173,639 | \$2,238,848 | \$10,151,817 | \$22,543,257 |
| 19 | WLF1 2 DUTCHMAN RD REPAIR | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$222,698 | \$376,764 | \$0 | \$0 | \$0 | \$599,462 | \$599,462 |
| 20 | WLF1 2 FARM FLOOD TSK FORCE IMP | \$486,126 | \$605,723 | \$119,597 | \$73,793 | \$45,804 | \$115,214 | \$118,670 | \$122,230 | \$125,897 | \$129,674 | \$133,564 | \$745,249 | \$1,350,972 |
| 21 | WLF1 2 L SNO REP LOSS MITGTON | \$1,233,802 | \$1,712,699 | \$478,897 | \$0 | \$478,897 | \$0 | \$0 | \$200,000 | \$200,000 | \$200,000 | \$200,000 | \$800,000 | \$2,512,699 |
| 22 | WLF1 2 L SNO/DAIR CORROOR PLN | \$3,013,270 | \$5,600,543 | \$2,587,273 | \$2,587,273 | \$0 | \$1,200,000 | \$1,000,000 | \$700,000 | \$700,000 | \$600,000 | \$0 | \$4,200,000 | \$9,800,543 |
| 23 | WLF1 2 LWR SNO RES/FLD MITGTN | \$1,063,568 | \$1,994,431 | \$930,863 | \$700,000 | \$230,863 | \$636,540 | \$655,636 | \$675,305 | \$695,564 | \$0 | \$0 | \$2,665,045 | \$4,657,476 |
| 24 | WLF1 2 MCELHOE/PERSON LEVEE | \$182,717 | \$182,717 | (\$0) | \$0 | (\$0) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$182,717 |
| 25 | WLF1 2 SE 19TH WAY REVETMENT | \$8,934 | \$700,000 | \$691,066 | \$80,000 | \$611,066 | (\$76,412) | \$1,699,272 | \$0 | \$0 | \$0 | \$0 | \$1,622,860 | \$2,322,860 |
| 26 | WLF1 2 SE DAVID POWELL RD | \$0 | \$1,000,000 | \$1,000,000 | \$50,000 | \$950,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$1,000,000 |
| 27 | WLF1 2 SE FISH HATCHERY RD | \$0 | \$500,000 | \$500,000 | \$50,000 | \$450,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$500,000 |
| 28 | WLF1 2 SINNEMA OUALE 2011 REPR | \$909,465 | \$9,808,714 | \$8,899,249 | \$8,899,249 | \$0 | \$267,715 | \$0 | \$0 | \$0 | \$0 | \$0 | \$267,715 | \$10,076,429 |
| 29 | WLF1 2 TOLT PIPELINE PROTECTION | \$646,480 | \$899,141 | \$252,661 | \$252,661 | \$0 | \$7,837,476 | \$42,436 | \$0 | \$0 | \$0 | \$0 | \$7,679,912 | \$8,579,053 |
| 30 | WLF1 3 LOWER TOLT R ACQUISITION | \$744,475 | \$744,475 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$744,475 |
| 31 | WLF1 3 SAN SLOUGH/NEIGHHOOD BUYOUT | \$3,397,016 | \$4,699,206 | \$1,302,190 | \$700,000 | \$602,190 | \$250,000 | \$611,927 | \$0 | \$0 | \$0 | \$0 | \$861,927 | \$5,561,133 |
| 32 | WLF1 3 TOLT 2015 FLOOD REPAIRS | \$0 | \$900,000 | \$900,000 | \$50,000 | \$850,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$900,000 |
| 33 | WLF1 3 TOLT CORRIDOR IMPLMNTN | \$0 | \$0 | \$0 | \$0 | \$0 | \$25,252 | \$92,867 | \$635,353 | \$2,017,650 | \$5,352,804 | \$0 | \$8,170,926 | \$8,170,926 |

| No. | Title | 2014 ITD Expenditure | 2015 Revised ITD Budget | 2015 Available Budget | 2016 Estimated Expenditure | 2015 Estimated Carryover | 2016 Proposed | 2017 Projected | 2018 Projected | 2019 Projected | 2020 Projected | 2021 Projected | 6-Year CIP Total | Project Life Total |
|-----|--|----------------------|-------------------------|-----------------------|----------------------------|--------------------------|---------------------|---------------------|--------------------|--------------------|---------------------|--------------------|---------------------|----------------------|
| 34 | W/FL3 TOLT CORRIDOR PLAN | \$759,756 | \$828,560 | \$68,804 | \$65,000 | \$3,804 | \$100,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$100,000 | \$928,560 |
| 35 | W/FL3 TOLT R MILE 1.1 SETBACK | \$3,952,956 | \$4,822,242 | \$869,286 | \$860,000 | \$9,286 | \$877,364 | \$0 | \$0 | \$0 | \$0 | \$0 | \$877,364 | \$5,699,806 |
| 36 | W/FL3 TOLT R NATURAL AREA ACQ | \$1,138,843 | \$1,639,503 | \$500,660 | \$0 | \$500,660 | \$0 | \$515,767 | \$1,902,110 | \$0 | \$0 | \$0 | \$2,417,877 | \$4,057,380 |
| 37 | W/FL3 TOLT R RD ELEVATION FEASIBILITY | \$0 | \$250,000 | \$250,000 | \$50,000 | \$200,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$250,000 |
| 38 | W/FL4 ALPINE MANOR NEIGHBORHOOD BUYOUTS | \$1,678,144 | \$2,193,884 | \$515,740 | \$50,000 | \$465,740 | \$180,528 | \$957,044 | \$0 | \$0 | \$0 | \$0 | \$1,137,572 | \$3,331,456 |
| 39 | Snouqualmie-South Fork Skykomish Subtotal | \$34,626,084 | \$57,875,466 | \$30,848,382 | \$16,173,005 | \$12,676,376 | \$10,654,014 | \$23,667,367 | \$8,391,238 | \$7,379,425 | \$18,071,112 | \$3,312,426 | \$71,475,582 | \$139,351,048 |
| 40 | | | | | | | | | | | | | | |
| 41 | | | | | | | | | | | | | | |
| 42 | W/FL5 SAMMAMISH R BANK REPAIRS | \$0 | \$400,000 | \$400,000 | \$63,082 | \$336,918 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$400,000 |
| 43 | W/FL5 WILLOWMOOR FLDPLAIN REST | \$1,004,333 | \$1,573,329 | \$568,996 | \$304,224 | \$264,772 | \$659,313 | \$750,000 | \$3,250,000 | \$0 | \$0 | \$0 | \$4,659,313 | \$6,232,642 |
| 44 | W/FL6 LOWER COAL CRK PH1 | \$303,984 | \$4,075,304 | \$3,771,320 | \$507,811 | \$3,263,509 | (\$2,571,728) | \$2,275,000 | \$2,457,000 | \$2,311,000 | \$10,000 | \$10,000 | \$4,491,272 | \$8,586,576 |
| 45 | W/FL6 MCALEERLYON CHAN IMPRVMT | \$104,851 | \$700,000 | \$595,050 | \$595,050 | \$0 | \$350,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$350,000 | \$1,050,000 |
| 46 | W/FL7 COR PRE-CONST STRTGC ACQ | \$2,414,305 | \$5,125,558 | \$2,711,253 | \$11,547 | \$2,699,705 | (\$2,294,744) | \$6,331,593 | \$3,078,942 | \$1,688,668 | \$1,739,256 | \$0 | \$10,543,715 | \$15,689,273 |
| 47 | W/FL7 FBD CORRIDOR IMPLEMENTATION | \$0 | \$0 | \$0 | \$0 | \$0 | \$2,150,000 | \$4,150,000 | \$0 | \$0 | \$0 | \$0 | \$6,300,000 | \$6,300,000 |
| 48 | W/FL7 CEDAR CORRIDOR IMPLMNTN | \$0 | \$0 | \$0 | \$0 | \$0 | \$16,763 | \$66,294 | \$421,764 | \$1,339,370 | \$3,579,888 | \$0 | \$5,424,079 | \$5,424,079 |
| 49 | W/FL7 CEDAR LEVEE SETBACK FEAS (Channel Corridor Plan) | \$434,250 | \$1,437,987 | \$1,003,737 | \$867,427 | \$136,310 | \$549,600 | \$0 | \$0 | \$0 | \$0 | \$0 | \$549,600 | \$1,987,587 |
| 50 | W/FL7 CEDAR R REP LOSS MITGAIN | \$2,850,495 | \$3,464,848 | \$614,353 | \$286,033 | \$328,320 | \$323,574 | \$333,262 | \$343,280 | \$353,579 | \$364,186 | \$0 | \$1,717,901 | \$5,182,749 |
| 51 | W/FL7 CEDAR RVR GRAVEL REMOVAL | \$951,357 | \$8,714,768 | \$7,763,411 | \$1,494,705 | \$6,268,705 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$8,714,768 |
| 52 | W/FL7 DORRE DON MEANDERS PH 1 | \$170 | \$170 | (\$30) | \$0 | (\$30) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$170 |
| 53 | W/FL7 ELLIOTT BR LEVEE SETBACK | \$2,163,772 | \$2,425,408 | \$261,636 | \$1,112 | \$260,524 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$2,425,408 |
| 54 | W/FL7 RAINBOW BEND LEVEE STBCK | \$1,891,785 | \$2,369,091 | \$477,306 | \$205,000 | \$272,306 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$2,369,091 |
| 55 | W/FL7 RIVERBEND MHP ACQ | \$3,000,000 | \$5,044,400 | \$2,044,400 | \$900,000 | \$1,144,400 | \$312,642 | \$0 | \$0 | \$0 | \$0 | \$0 | \$312,642 | \$5,357,042 |
| 56 | Cedar-Sammamish Subtotal | \$15,119,402 | \$35,330,863 | \$20,217,451 | \$5,235,991 | \$14,975,470 | (\$504,590) | \$13,906,169 | \$9,550,986 | \$5,692,617 | \$5,693,330 | \$10,000 | \$34,348,922 | \$69,679,365 |
| 57 | | | | | | | | | | | | | | |
| 58 | | | | | | | | | | | | | | |
| 59 | W/FL8 BLACK R PUMP STATION | \$2,271,059 | \$6,414,101 | \$4,143,042 | \$550,000 | \$3,593,042 | (\$1,754,042) | \$732,700 | \$1,628,600 | \$6,922,200 | \$921,400 | \$1,514,650 | \$9,965,508 | \$16,379,609 |
| 60 | W/FL8 BOEING LEVEE ADD-KENT | \$2,076,275 | \$2,076,275 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$2,076,275 |
| 61 | W/FL8 BOEING LEVEE HT INCREASE | \$1,639 | \$1,829,762 | \$1,828,123 | \$0 | \$1,828,123 | (\$1,820,000) | \$1,820,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$1,829,762 |

| No. | Title | 2014 ITD Expenditure | 2015 Revised ITD Budget | 2015 Available Budget | 2015 Estimated Expenditure | 2015 Estimated Cmpyover | 2016 Proposed | 2017 Projected | 2018 Projected | 2019 Projected | 2020 Projected | 2021 Projected | 6-Year CIP Total | Project Life Total |
|-----|---------------------------------------|----------------------|-------------------------|-----------------------|----------------------------|-------------------------|---------------|----------------|----------------|----------------|----------------|----------------|------------------|--------------------|
| 62 | WFL8 BOEING LEVEE USACE ERP | \$6,751 | \$1,750,000 | \$1,743,249 | \$0 | \$1,743,249 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$1,750,000 |
| 63 | WFL8 BRISCOE LEVEE SETBACK | \$16,397,047 | \$23,330,271 | \$6,933,224 | \$2,788,334 | \$4,144,890 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$23,330,271 |
| 64 | WFL8 BRISCOE REACH DESIGN | \$866,760 | \$866,760 | | | | | | | | | | | \$866,760 |
| 65 | WFL8 DESIMONE USACE 2015 | \$0 | \$2,500,000 | \$2,500,000 | \$1,650,000 | \$850,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$2,500,000 |
| 66 | WFL8 DYKSTRA USACE 2015 | \$0 | \$2,000,000 | \$2,000,000 | \$50,000 | \$1,950,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$2,000,000 |
| 67 | WFL8 GREEN R PL64-99 MITIGATN | \$2,464,349 | \$4,244,057 | \$1,598,208 | \$837,215 | \$760,993 | \$0 | \$1,287,641 | \$1,582,361 | \$695,681 | \$0 | \$0 | \$3,565,683 | \$7,809,740 |
| 68 | WFL8 HAWLEY RD LEVEE-KENT | \$943,427 | \$943,427 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$943,427 |
| 69 | WFL8 HOLIDAY KENNEL ACO & BERM | \$5,602 | \$5,602 | | | | | | | | | | | \$5,602 |
| 70 | WFL8 HORSESHOE BND ACQ-RONCT | \$87,099 | \$2,595,720 | \$2,508,621 | \$0 | \$2,508,621 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$2,595,720 |
| 71 | WFL8 LWR RUSSELL LEVEE SETBACK | \$733,127 | \$3,911,657 | \$3,178,530 | \$650,000 | \$2,528,530 | \$1,597,388 | \$16,820,748 | \$0 | \$0 | \$0 | \$0 | \$18,418,136 | \$22,329,793 |
| 72 | WFL8 MILWAUKEE LEVEE #2 KENT | \$0 | \$4,000,000 | \$4,000,000 | \$0 | \$4,000,000 | \$4,500,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$4,500,000 | \$8,500,000 |
| 73 | WFL8 PORTER LEVEE | \$0 | \$300,000 | \$300,000 | \$0 | \$300,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$300,000 |
| 74 | WFL8 REDDINGTON REACH SETBACK | \$16,374,074 | \$16,889,083 | \$915,009 | \$30,000 | \$485,009 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$16,889,083 |
| 75 | WFL8 RUSSELL RD UPPER KENT | \$1,208,911 | \$5,987,234 | \$4,778,323 | \$4,778,323 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$5,987,234 |
| 76 | WFL8 S 27TH ST REVETMENT | \$0 | \$300,000 | \$300,000 | \$0 | \$300,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$300,000 |
| 77 | WFL8 SWIF IMPLEMENTATION | \$0 | \$0 | \$0 | \$0 | \$0 | \$38,806 | \$153,473 | \$976,394 | \$100,673 | \$2,787,522 | \$0 | \$4,056,868 | \$4,056,868 |
| 78 | WFL8 USACE SWIF | \$1,497,525 | \$2,287,724 | \$790,199 | \$608,699 | \$181,500 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$2,287,724 |
| 79 | Green-Duwamish Subtotal | \$44,933,643 | \$82,231,673 | \$37,116,530 | \$11,942,671 | \$25,173,859 | \$2,562,152 | \$20,814,562 | \$4,187,355 | \$7,718,554 | \$3,708,922 | \$1,514,650 | \$40,606,195 | \$122,737,988 |
| 80 | | | | | | | | | | | | | | |
| 81 | | | | | | | | | | | | | | |
| 82 | WFL9 COUNTYLINE TO A STREET | \$5,020,194 | \$12,947,365 | | \$1,293,965 | \$6,633,207 | \$121,831 | \$4,543,045 | \$0 | \$0 | \$0 | \$0 | \$4,664,876 | \$17,612,241 |
| 83 | WFL9 RED CREEK ACQUISITIONS | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$100,000 | \$100,000 | \$200,000 | \$200,000 |
| 84 | WFL9 RIGHT BANK LEVEE SETBACK | \$7,108,139 | \$8,787,295 | \$1,679,156 | \$413,342 | \$1,265,815 | | 3,225,440 | 5,562,500 | 6,907,500 | 20,000 | \$0 | \$15,309,559 | \$24,096,854 |
| 85 | WFL9 WHITE - GREENWATER ACQ | \$0 | \$375,000 | \$375,000 | \$0 | \$375,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$375,000 |
| 86 | White Subtotal | \$12,126,332 | \$22,109,660 | \$9,981,328 | \$1,707,306 | \$8,274,021 | | \$7,786,485 | \$5,562,500 | \$6,907,500 | \$120,000 | \$100,000 | \$20,174,435 | \$42,284,095 |
| 87 | | | | | | | | | | | | | | |
| 88 | | | | | | | | | | | | | | |
| 89 | WFLS AK WY SEAWALL PRE-CONSTRUCTN | \$30,083,258 | \$30,083,258 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$30,083,258 |
| 90 | WFLS SOUTH PARK PUMPSTATION | \$1,090,611 | \$2,690,575 | \$1,599,964 | \$692,248 | \$907,716 | \$0 | \$3,310,756 | \$500,000 | \$0 | \$1,000,000 | \$0 | \$4,000,000 | \$4,000,000 |
| 91 | WFLS S PARK DRAINAGE IMPROVEMENTS | \$0 | \$0 | \$0 | \$0 | \$0 | \$500,000 | \$500,000 | \$1,000,000 | \$1,000,000 | \$1,000,000 | \$0 | \$7,810,756 | \$40,584,589 |
| 92 | Seattle Subtotal | \$31,173,868 | \$32,773,933 | \$1,599,965 | \$692,248 | \$907,716 | \$500,000 | \$3,810,756 | \$1,500,000 | \$1,000,000 | \$1,000,000 | \$0 | \$7,810,756 | \$40,584,589 |
| 93 | WFLX CORRIDOR PLN DESIGN/CONST | \$0 | \$0 | \$0 | \$0 | \$0 | \$71,305 | \$2,488,775 | \$2,452,537 | \$11,213,074 | \$9,430,286 | \$2,010,077 | \$27,667,054 | \$27,667,054 |
| 94 | PLACER/DOR | \$0 | \$0 | \$0 | \$0 | \$0 | \$71,305 | \$2,488,775 | \$2,452,537 | \$11,213,074 | \$9,430,286 | \$2,010,077 | \$27,667,054 | \$27,667,054 |
| 95 | Countywide Corridor Plan Imp Subtotal | \$0 | \$0 | \$0 | \$0 | \$0 | \$71,305 | \$2,488,775 | \$2,452,537 | \$11,213,074 | \$9,430,286 | \$2,010,077 | \$27,667,054 | \$27,667,054 |
| 96 | | | | | | | | | | | | | | |
| 97 | | | | | | | | | | | | | | |
| 98 | WFLG FLOOD REDUCTION GRANTS | \$7,006 | \$5,549,963 | \$5,542,957 | \$219,763 | \$5,323,194 | \$2,991,819 | \$3,075,923 | \$3,156,106 | \$3,236,625 | \$3,318,045 | \$3,401,132 | \$19,179,650 | \$24,729,613 |
| 99 | WFLM EFFECTIVENESS MONITORING | \$1,172,281 | \$1,861,120 | \$688,839 | \$253,883 | \$434,956 | \$0 | \$898,945 | \$542,472 | \$422,823 | \$386,497 | \$386,497 | \$2,637,234 | \$4,488,354 |
| 100 | WFLQ SUBREGN. OPPRTNITY FUND | \$17,456,727 | \$32,374,717 | \$14,917,990 | \$1,980,368 | \$12,937,622 | \$5,564,783 | \$5,721,217 | \$6,870,358 | \$6,020,123 | \$6,171,564 | \$6,326,105 | \$35,674,150 | \$68,048,867 |
| 101 | WFLX CENTRAL CHARGES | \$454,523 | \$866,053 | \$411,530 | \$41,1530 | \$0 | \$0 | \$184,678 | \$190,219 | \$195,925 | \$185,086 | \$185,086 | \$940,984 | \$1,807,047 |
| 102 | WFLX FLOOD-EMERGENCY CONTINGCY | \$291,093 | \$541,093 | \$260,000 | \$0 | \$260,000 | \$260,000 | \$260,000 | \$260,000 | \$260,000 | \$260,000 | \$260,000 | \$1,500,000 | \$2,041,093 |
| 103 | WFLX WATERSHED MGMT GRANTS | \$3,510,195 | \$14,400,946 | \$10,890,751 | \$723,910 | \$10,166,841 | \$4,308,013 | \$4,390,296 | \$4,474,151 | \$4,599,607 | \$4,646,695 | \$4,735,447 | \$27,114,209 | \$41,515,155 |
| 104 | Countywide Subtotal | \$22,891,736 | \$55,593,802 | \$32,702,066 | \$3,569,654 | \$29,112,612 | \$13,114,615 | \$14,521,059 | \$14,483,306 | \$14,685,103 | \$14,957,687 | \$15,284,267 | \$97,046,237 | \$142,640,039 |
| 105 | | | | | | | | | | | | | | |
| 106 | Grand Total | \$160,873,066 | \$295,915,297 | \$132,460,731 | \$41,340,676 | \$91,120,165 | \$26,113,456 | \$86,978,173 | \$46,127,922 | \$54,596,273 | \$52,981,537 | \$22,231,420 | \$289,028,781 | \$584,944,078 |

Inflation assumption KC Economic and Revenue Forecast September 3 2015(KGEC 2015-04)

101.910% Seattle CPI-W