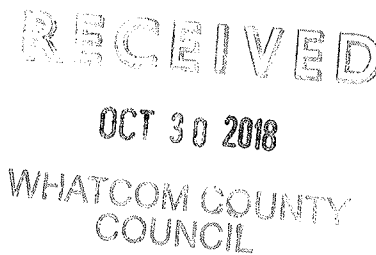


WHATCOM COUNTY COUNCIL AGENDA BILL

NO. 2018-316

| CLEARANCES | Initial | Date | Date Received in Council Office | Agenda Date | Assigned to: |
|--------------------|----------------|-------------|------------------------------------------------------------------------------------|--------------------|----------------------|
| Originator: | RR | 10/17/18 |  | 11/7/18 | Introduction |
| Division Head: | bes | 10/24/18 | | 11/20/18 | Hearing As WCFCZD |
| Dept. Head: | TH | 10/24/18 | | | |
| Prosecutor: | COQ | 10/26/18 | | | |
| Purchasing/Budget: | BJS | 10/26/18 | | | |
| Executive: | TS FOL | 10/29/18 | | | |

TITLE OF DOCUMENT: A resolution adopting the 2019 budget of the Whatcom County Flood Control Zone District

ATTACHMENTS: Resolution to adopt the 2019 proposed budget, Exhibit A containing the 2019 budget work plan with capital projects listed, Exhibit B containing a 2019 list of capital budget appropriations.

| | |
|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| SEPA review required? () Yes (x) NO SEPA review completed? () Yes (x) NO | Should Clerk schedule a hearing? (x) Yes () NO Requested Date: 11/20/18 |
|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|

SUMMARY STATEMENT OR LEGAL NOTICE LANGUAGE: (If this item is an ordinance or requires a public hearing, you must provide the language for use in the required public notice. Be specific and cite RCW or WCC as appropriate. Be clear in explaining the intent of the action.)

Resolution adopting the 2019 budget for the Whatcom County Flood Control Zone District.

| | |
|--------------------------|---------------------------|
| COMMITTEE ACTION: | COUNCIL ACTION: |
| | 11/7/2018: Introduced 7-0 |

| | | |
|-----------------------------------|------------------------------|----------------------------------------|
| Related County Contract #: | Related File Numbers: | Ordinance or Resolution Number: |
| | | |

Please Note: Once adopted and signed, ordinances and resolutions are available for viewing and printing on the County's website at: <https://wa-whatcomcounty.civicplus.com/268/County-Council>.

WHATCOM COUNTY
PUBLIC WORKS DEPARTMENT

Jon Hutchings
DIRECTOR



Administration

Civic Center
322 N. Commercial Street, Suite 210
Bellingham, WA 98225-4042
Telephone: (360) 778-6217
www.whatcomcounty.us
JHutchings@co.whatcom.wa.us

TO: The Honorable Whatcom County Flood Control Zone District Board of Supervisors

THROUGH: Jon Hutchings, Public Works Director *JH*

FROM: Gary S. Stoyka, Natural Resource Program Manager *GSS*
Paula J. Harris, River and Flood Division Manager *PJH*

DATE: October 17th, 2018

RE: 2019 Flood Control Zone District Budget

Enclosed is a resolution establishing the 2019 budget for the Whatcom County Flood Control Zone District (FCZD) for your review and adoption. Supporting documentation detailing the programs and projects included in the budget are also attached.

Requested Action:

Public Works respectfully requests that the FCZD Board of Supervisors adopt the attached resolution to establish a 2019 budget for the County-wide District and the following subzones:

- Acme/Van Zandt Subzone
- Lynden/Everson Subzone
- Sumas/Nooksack/Everson Subzone
- Birch Bay Watershed and Aquatic Resources Management District
- Samish Watershed Subzone

Background and Purpose:

Consistent with RCW 86.15.140, the FCZD must adopt an annual budget that includes the County-wide district and the subzones of the District. The attached resolution establishes the overall budget consistent with the appropriation items outlined in the law. The 2019 proposed budget and associated work program were presented to the Board of Supervisors at the September 18th, 2018 Surface Water Work Session.

PROPOSED BY: Public Works

INTRODUCTION DATE: 11/07/2018

RESOLUTION NO. _____

(A Resolution of the Whatcom County Flood Control
Zone District Board of Supervisors)

**ADOPTING THE 2019 BUDGET FOR THE
WHATCOM COUNTY FLOOD CONTROL ZONE DISTRICT AND SUBZONES**

WHEREAS, RCW 86.15.140 requires that the Board of Supervisors of each flood control zone district and subzone adopt an annual budget for the zone; and

WHEREAS, the statute further requires that the zone or subzone budget be divided into four appropriation items: overhead and administration; maintenance and operation; construction and improvements; and bond retirement and interest; and

WHEREAS, under the appropriation item for construction and improvements, the Board is required to list each flood control improvement or storm water control improvement planned for the budget year and the estimated expenditure for each during the next year; and

WHEREAS, the budget may only be adopted after a public hearing for which proper notice has been given; and

WHEREAS, Fund No. 169 is managed by the County on behalf of the Whatcom County Flood Control Zone District for purposes of funding flood control, storm water management, and other water resources work by the County that are consistent with the powers of the District under RCW 86.15 and RCW 39.34.190; and

WHEREAS, funds obtained by the County through grants or cooperative agreements for flood control and other water resources work are also managed through Fund No. 169; and

WHEREAS, the 2019 budget proposed by the County Executive for the Whatcom County Flood Control Zone District includes proposed expenditures out of Fund 169 to pay for flood control, storm water management, and other water resources work consistent with the powers of the District under RCW 86.15 and RCW 39.34.190;

NOW, THEREFORE, BE IT RESOLVED by the Board of Supervisors as follows:

Section I. Approval of the Budget

The Board hereby adopts the 2019 budget for the Flood Control Zone District Fund No. 169 in the amounts set forth in the document titled Whatcom County 2019 Budget and as modified and presented below and in Exhibit A:

OVERALL BUDGET SUMMARY

| Budget Code | Program | RCW Appropriation Item | 2019 Budget | |
|-------------------------------|-----------------------------------------------|-----------------------------|----------------------|--------------------|
| | | | Revenues | Expenditures |
| 169100 | Administration | Overhead & administration | \$4,980,712 | \$751,841 |
| 169119 | Natural Resources Administration | Overhead & administration | - | 585,933 |
| 169120 | AIS Administration | Overhead & administration | - | - |
| 169121 | Water Planning Administration | Overhead & administration | 56,265 | 113,079 |
| 169100 | Stormwater Administration (Transfer) | Overhead & administration | - | 422,997 |
| 169102 | Flood Response | Maintenance & operations | - | 110,000 |
| 169104 | Flood Planning | Maintenance & operations | 350,000 | 820,000 |
| 169106 | Technical Assistance | Maintenance & operations | - | 75,000 |
| 169108 | NFIP and CRS | Maintenance & operations | 16,000 | 175,000 |
| 169110 | Early Warning | Maintenance & operations | 4,225 | 131,000 |
| 169119 | Natural Resources Operations | Maintenance & operations | 582,500 | 1,356,722 |
| 169120 | AIS Operations | Maintenance & operations | - | 131,750 |
| 169121 | Water Planning Operations | Maintenance & operations | 75,000 | 267,950 |
| 169100 | Stormwater Lake Whatcom Operations (Transfer) | Maintenance & operations | - | 836,000 |
| 169700 | Stormwater NPDES Phase II | Maintenance & operations | - | 187,480 |
| 169100 | Stormwater Lake Whatcom Capital (Transfer) | Construction & improvements | - | - |
| 169112 | Repair and Maintenance | Construction & improvements | 730,600 | 2,184,439 |
| 169114 | Flood Hazard Reduction | Construction & improvements | 633,830 | 1,672,200 |
| Total 2019 FCZD Budget | | | \$7,429,132 | \$9,821,390 |
| | | | \$(2,392,258) | |

| Code | Program | | Revenues | Expenditures |
|--------------------------------------------|--------------------------------|-----------------------------|--------------------|--------------------|
| 16923 | Acme/VanZandt Subzone | Overhead & administration | - | \$500 |
| 16925 | Birch Bay Subzone | Overhead & administration | - | 233,638 |
| 16921 | Lynden/Everson Subzone | Maintenance & operations | 39,712 | 41,000 |
| 16922 | Sumas/Nooksack/Everson Subzone | Maintenance & operations | 123,825 | 20,000 |
| 16923 | Acme/VanZandt Subzone | Maintenance & operations | 25,440 | 6,315 |
| 16924 | Samish Watershed Subzone | Maintenance & operations | 21,620 | 16,250 |
| 16925 | Birch Bay Subzone | Maintenance & operations | 774,052 | 95,200 |
| 16921 | Lynden/Everson Subzone | Construction & improvements | - | 54,600 |
| 16922 | Sumas/Nooksack/Everson Subzone | Construction & improvements | - | 195,000 |
| 16923 | Acme/VanZandt Subzone | Construction & improvements | - | 30,000 |
| 16925 | Birch Bay Subzone | Construction & improvements | - | 1,048,000 |
| | | | \$984,649 | \$1,740,503 |
| Total of 2019 FCZD Sub-Zone Budgets | | | \$(755,854) | |

Section II. Provisions Restricting Expenditures, Authorizing Actions, and Setting Expectations.

For purposes of purchasing and award, projects listed in the attached exhibit (B) FCZD Construction and Improvements Work Plan shall be administered pursuant to WCC Chapter 3.08.100 A.(2) and A.(3) using the process prescribed for capital budget appropriations. Contracts for goods and services on individual items or projects listed in Exhibit (B) may be exceeded by up to 10%, provided expenditures in total do not exceed the total appropriation for the FCZD construction and improvement Work Plan.

APPROVED this ____ day of _____, 2018.


WHATCOM COUNTY
FLOOD CONTROL ZONE DISTRICT BOARD
OF SUPERVISORS
WHATCOM COUNTY, WASHINGTON

ATTEST:

Dana Brown-Davis, Clerk of the Council

Rud Browne, Chair of the Council

APPROVED AS TO FORM:

 10/24/18

Civil Deputy Prosecutor

**Flood Control Zone District
2019 Budget
Work Plan and Supporting Documentation**

Exhibit A

DETAIL FOR FCZD PROGRAM AREAS

FLOOD MAINTENANCE AND OPERATIONS

| | Proposed 2019 Budget | | Assumptions/Notes |
|--------------------------------------------------------------------------------|----------------------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | Revenues | Expenditures | |
| Flood Response (169102) | | | |
| Wage and Benefits | | \$ 10,000 | |
| Sand and sandbags | | \$ 35,000 | Includes pre-deployed and sand bags for training |
| Preparedness training | | \$ 5,000 | Road and M&O employees and equipment |
| Sector observers during response | | \$ 40,000 | Road employees wages and benefits for 1 significant flood event |
| Construction contracts | | \$ 20,000 | During and immediately following response |
| TOTAL | \$ - | \$ 110,000 | Budget based on 2009 flood with cost & wage increases |
| NET IMPACT TO FUND BALANCE | \$ (110,000) | | 2018 YE projection assumes fall flood |
| Flood Planning (169104) | | | |
| Lower Nooksack | | | |
| Wage and Benefits | | \$ 150,000 | |
| CFHMP refinement/update Facilitation | | \$ 15,000 | Formal process started in late 2016 2018 budget for projected contract balance; CA into 2019 plus new budget for amendment if needed |
| Hydraulic modeling/alternatives analyses Engineering design / Plan development | \$ 200,000 | \$ 200,000 | Contracted in 2017; CA into 2018; new BA for 2019 Contract consultant in 2017 for initial phase and supplement in 2018 as work is better defined; Revenues are NEP funding |
| Structure surveys in overflow corridors | \$ 150,000 | \$ 150,000 | Likely 2019 til field effort defined; Revenues are NEP funding |
| Geomorphic reach analyses | | \$ 50,000 | Amendment in 2019 for assistance to reach teams |
| Sediment management | | \$ - | USGS cost-share; 2017 expenditures include 2016 charges billed late; contract ends in 2018 |
| Habitat assessment | | \$ 60,000 | Contracted in 2017 and will CA into 2018; revenues from SRFB grant |
| Flood event mapping | | \$ 20,000 | \$6600 for 2017 contract; 2018 contract will CA into 2019 |
| Reach 1 Sediment | | | NEP-funded USGS Study; contract in 2018 and CA into 2019 |
| High water mark survey | | \$ 25,000 | Assumes flood each year |
| TOTAL | \$ 350,000 | \$ 820,000 | 2018 Supp. Budget is \$72730 less than JDE due to miscode on USGS CA for gaging under 169110 |
| NET IMPACT TO FUND BALANCE | \$ (470,000) | | |
| Technical Assistance (169106) | | | |
| Wage and Benefits | | \$ 75,000 | |
| Postage for Special District reassessments | | \$ - | CDID#5 to be updated in 2018 now that parcel coverage improved |
| TOTAL | \$ - | \$ 75,000 | |
| NET IMPACT TO FUND BALANCE | \$ (75,000) | | |
| National Flood Insurance Prgm (169108) | | | |
| Wage and Benefits | | \$ 150,000 | |
| FEMA Floodplain mapping | | \$ 10,000 | New mapping in 2018 - expenditures for public meeting notice in 2019 |
| Permit reviews | \$ 16,000 | | Flood permit fees |
| Public education/CRS activities | | \$ 15,000 | CRS mailings |
| TOTAL | \$ 16,000 | \$ 175,000 | |
| NET IMPACT TO FUND BALANCE | \$ (159,000) | | |
| Early Warning System (169110) | | | |
| Wage and Benefits | | \$ 5,000 | |
| Nooksack River gages - USGS | | \$ 96,500 | 2018 exp includes CA from 2017 plus 2018 contract; 2017 CA of \$72,731 miscoded to 169104 in JDE; 3% cost increase per yr |
| Everson MainSt stage gage _ USGS | \$ 4,225 | | Canadians reimburse cost to maintain gage; AVZ pays for Jones gage directly |
| SNOTEL sites - USDA | | \$ - | 2017 was last year of 5-year contract; Feds to pay in future |
| WWU camera on Swift Creek slide | | \$ 2,500 | 2017 contract for 5-year duration at \$2500/yr; CA's of \$3730 |
| Emergency access to SNOTEL | | \$ 5,000 | |
| Equipment for gage upgrades/repairs | | \$ 12,000 | Equip at NF gage may need replacing |
| Repairs and maintenance | | \$ 10,000 | |
| TOTAL | \$ 4,225 | \$ 131,000 | |
| NET IMPACT TO FUND BALANCE | \$ (126,775) | | |

Flood Control Zone District
2019 Budget

Exhibit A

Work Plan and Supporting Documentation

FLOOD CONSTRUCTION AND IMPROVEMENTS

| Repair and Maintenance (169112) | Proposed 2019 Budget | | Assumptions/Notes |
|-------------------------------------------|-----------------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------|
| | Revenues | Expenditures | |
| Wage and Benefits | | \$ 110,000 | |
| Construction Projects | | | |
| Emergency/new projects as needed | \$ 50,000 | \$ 350,000 | Assumed costs for responding to flood/new repairs (fall 2018 flood assumed); increased due to cost of recent emergencies |
| Miscellaneous repair projects | | \$ 50,000 | Placeholder for small projects; fall 2018 flood assumed |
| Marine Drive Levee Repair | | \$ 5,000 | Revenues from WDFW; \$100,000 reappropriated from High Cr |
| Truck Road Emergency Bank Protection | | \$ 25,000 | 50/50 cost-share with Roads; budget from emergency allocation - replenished by supplement; \$50,000 for 2019 assumed mitigation |
| Red River Levee Stabilization (SWIF) | \$ 63,000 | \$ 200,000 | Survey and permit fees in 2018; in-house design; construction in 2019; assumes 30% cost-share from DD#1 or others |
| Hannegan Levee Rehabilitation (USACE) | \$ 27,600 | \$ 92,000 | PIR local sponsor share is \$90,620 plus title reports; revenues from LE Subzone |
| Abbott Levee Erosion Protection | \$ 570,000 | \$ 1,100,000 | Assumes Roads pays 50% and LE pays \$20,000 (2%) due to declining fund balance |
| Sande-Williams Levee Rehabilitation | \$ 20,000 | \$ 100,000 | USACE cost-share split 80/20 between FCZD and DD#2 |
| Mitigation Planning/Implementation | | | |
| Jail crew | | \$ 117,439 | Jail crew labor for FCZD and SWIF projects; available to diking or subzones |
| Reveg planning/coordination | | \$ 25,000 | 2017 contract with CD, CA into 2018; new contract in 2019 |
| Reveg/misc supplies | | \$ 10,000 | Increased to cover plant replacement costs for Deming and other past projects as needed |
| TOTAL | \$ 730,600 | \$ 2,184,439 | 2018 supp budget inc \$100,000 from High Crk |
| NET IMPACT TO FUND BALANCE | \$ (1,453,839) | | |

Flood Hazard Reduction (169114)

| Flood Hazard Reduction (169114) | Proposed 2019 Budget | | Assumptions/Notes |
|----------------------------------------------------------------------------|-----------------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | Revenues | Expenditures | |
| Wage and Benefits | | \$ 190,000 | |
| Swift Creek | | | |
| Bank stabilization/channel excavation | | \$ 105,000 | SNE cost-share; 2018 YE assumes Roads pays 50% of \$250k project; 2019 is transfer to new Swift Creek fund |
| Lower Nooksack River | | | |
| Deming levee improvement constr. (708004) | | \$ - | Planting in 2018; CA for plants \$3314; 2019 maint under 112 |
| Marietta property acquisition & demo (FEMA FMAG-716002) | \$ 330,050 | \$ 377,200 | Boyd and Allen in 2017; Turk appraisals and title work in 2018 with acquisition in 2019; revenues are FEMA grant |
| Marietta property acquisition & demo New properties | | \$ 50,000 | Allocation for new properties that become available and non-grant expenses; increased allocation as mitigation for Marine Drive Levee |
| Leases for agriculture | \$ 3,780 | | River Rd and Emmerson Rd properties |
| Floodplain acquisition | \$ 300,000 | \$ 300,000 | Budget was from plant materials CA; option agreement would need to be extended for next round of Floodplains by Design funding; 2019 is for Reach 1 property with USFS funding thru WDFW |
| Ferndale Levee Improvement Project Phase 1 | | \$ 200,000 | Survey, hydraulic analysis, alternatives analysis, conceptual design in 2018/19; supplement if FbD grant awarded in 2019 |
| Lynden Levee Improvement Project (in conjunction with USACE rehab project) | | \$ 40,000 | USACE rehab in 2020 to include culvert replacement; survey, hydraulics, wetland/permitting for channel relocation by FCZD |
| Rayhorst Levee Improvements | | \$ 60,000 | Design, permit and construct project to widen and backslope levee |
| Jones Creek Deflection Berm (712004) | | | |
| Survey | | | Survey and base mapping for design |
| Berm and bridge design | | \$ 75,000 | Contract in 2018 and CA into 2019 |
| Land/easement acquisition | | \$ 125,000 | Purchase of parcels/easements for berm/road construction; 2018 inc. CA for appraisal; 2019 exp for appraisals/relocation asst |
| Construction | | | Construction budget to be established once design is further along |
| High Creek Sediment Management | | | |
| Sediment trap/channel improvement design | | | WSE design / construction support, 2018 CA and amendment \$100,000 reallocated to Marine Drive (169112); \$70,000 reallocated for land; \$2k CA for appraisal |
| Sediment trap/channel imp. construction | | | Construction funding reallocated for easements; used some of Jones land budget too |
| Easements | | | Includes funds for WSE to evaluate performance |
| Sediment trap maintenance | | \$ 50,000 | |
| Glacier-Gallup Creek Alluvial Fan Restoration | | | |
| Feasibility study/concept design | | | |
| Preliminary design | | \$ 100,000 | Supplement 2019 budget if FbD grant awarded |
| City of Lynden - Pepin Creek | | | |
| Funding for downstream analysis | | \$ - | ILA executed in 2016 and CA'd into 2017 for reimbursement of City's expenses; new 2018 budget for balance, may CA into 2019 |
| TOTAL | \$ 633,830 | \$ 1,672,200 | |
| NET IMPACT TO FUND BALANCE | \$ (1,038,370) | | |

Flood Control Zone District
2019 Natural Resources Budget
Work Plan and Supporting Documentation

Exhibit A

| Natural Resources (169119) | Proposed 2019 Budget | | Assumptions/Notes |
|------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | Revenues | Expenditures | |
| NATURAL RESOURCES ADMINISTRATION | | | |
| Staff | | \$ 306,306 | Includes salary for 2.5 FTEs and overtime. |
| Office and operating | | \$ 279,627 | |
| TOTAL | \$ - | \$ 585,933 | |
| NET IMPACT TO FUND BALANCE | \$ (585,933) | | |
| NATURAL RESOURCES OPERATIONS | | | |
| Salmon Recovery | | | |
| Staff | | \$ 127,035 | 1 FTE |
| Restoration effectiveness monitoring, adaptive management, and stewardship | | \$ 51,000 | Includes \$51,000 for WCC crew, plant survival surveys, spraying noxious weeds, and plant materials for replacement of failing plants at restoration projects |
| Maintaining existing restoration projects* | | \$ 32,250 | WCC crew contract for maintaining previously planted projects |
| New restoration projects* | | \$ 30,000 | Contracted services for activities supporting planting, fencing, culvert replacement, etc. |
| Marine Resources Committee | | | |
| Staff | \$ 66,294 | \$ 66,393 | 0.7 FTE |
| MRC restoration projects | \$ 8,706 | \$ 8,607 | MRC grant funding minus labor |
| Water Quality/Pollution Identification & Correction | | | |
| Program Coordination | | \$ 127,035 | Program Coordinator (1 FTE) |
| Water Quality Monitoring | | \$ 263,229 | Sampling personnel, lab contract, vehicles, equipment (1.25 FTE + extra help) |
| Data Management | \$ 100,800 | \$ 100,800 | WCD Data Manager |
| Technical Assistance | \$ 206,400 | \$ 206,400 | WCD Farm Planners |
| Community Outreach | \$ 94,497 | \$ 135,439 | Outreach staff, WCD staff, supplies |
| Incentives | \$ 22,000 | \$ 43,000 | OSS and small farm cost share |
| Compliance | \$ 83,803 | \$ 83,803 | PDS Staff |
| Coordination and Planning | | | |
| Lake Whatcom Homeowner Incentive Program | | \$ 56,731 | Staff time only (0.5 FTE); contracted services under Stormwater budget |
| WSU Extension outreach services | | \$ 25,000 | |
| TOTAL | \$ 582,500 | \$ 1,356,722 | |
| NET IMPACT TO FUND BALANCE | \$ (774,222) | | |
| TOTAL FOR COST CENTER | \$ 582,500 | \$ 1,942,654 | |
| | | \$ 1,360,154 | |
| *Integrated Salmon Recovery/Flood Hazard Reduction capital and planning projects appear under Cost Center 169114 and 169104. | | | |
| Acquatic Invasive Species (169120) | | | |
| Proposed 2019 Budget | | | |
| | Revenues | Expenditures | Assumptions/Notes |
| AIS ADMINISTRATION | | | |
| Staff | \$ - | \$ - | |
| Office and operating | | \$ - | Misc. Expenses |
| TOTAL | \$ - | \$ - | |
| NET IMPACT TO FUND BALANCE | \$ - | | |
| AIS OPERATIONS | | | |
| Coordination and Planning | | | |
| Education and Inspection | | | |
| Interlocal Agreement (COB) | \$ - | \$ 123,000 | Contribution to City for AIS Program; includes COB program cost increase |
| AIS online education program website maintenance | \$ - | \$ 8,750 | Contracted services for online course/website support |
| TOTAL | \$ - | \$ 131,750 | |
| NET IMPACT TO FUND BALANCE | \$ (131,750) | | |
| TOTAL FOR COST CENTER | \$ - | \$ 131,750 | |
| | \$ - | \$ 131,750 | |

Flood Control Zone District
 2019 Natural Resources Budget
 Work Plan and Supporting Documentation

Exhibit A

| Water Planning (169121) | Proposed 2019 Budget | | Assumptions/Notes |
|--------------------------------------|----------------------|-------------------|-----------------------------------------------------|
| | Revenues | Expenditures | |
| WATER PLANNING ADMINISTRATION | | | |
| Staff | \$ 56,265 | \$ 112,529 | Hydrogeologist |
| Office and operating | | \$ 550 | |
| TOTAL | \$ 56,265 | \$ 113,079 | |
| NET IMPACT TO FUND BALANCE | \$ (56,814) | | |
| WATER PLANNING OPERATIONS | | | |
| Coordination and Planning | | | |
| Hirst Response/Watershed Planning | \$ - | \$ 200,000 | Consultants |
| LENS Groundwater Model | \$ - | \$ - | \$336,526 Professional services contract |
| LIO administration | \$ 75,000 | \$ 67,950 | Administration of LIO process |
| Stream Gauging | | | USGS Stream Monitoring/AESI GW Monitoring Contracts |
| TOTAL | \$ 75,000 | \$ 267,950 | |
| NET IMPACT TO FUND BALANCE | \$ (192,950) | | |
| TOTAL FOR COST CENTER | \$ 131,265 | \$ 381,029 | |
| | | \$ 249,764 | |

**Lynden/Everson Subzone
2019 Budget
and Fund Balance Projections**

Exhibit A

| Fund balance as of December 31, 2017 | \$219,987 | (+) | (-) | Notes |
|---------------------------------------------|------------------|-----|-----------------|---------------------------------------|
| 2018 Estimated Revenues: | | | | |
| Assessment | \$37,712 | | | |
| Interest earnings/penalties | \$2,065 | | | |
| 2018 Estimated Expenditures: | | | | |
| Levee vegetation maintenance | | | \$20,000 | brushing, spraying and hydroseed |
| Mole control | | | \$5,000 | ACOE deficiency |
| Alternative corrections crew labor | | | \$15,000 | misc levee and mitigation maintenance |
| Tree removal | | | \$25,000 | ACOE deficiency |
| Mitigation plan implementation | | | \$5,740 | plants for tree removal mitigation |
| Pipe inspections (1 pipe) | | | \$2,000 | ACOE deficiency |
| Coordination | | | \$5,000 | |
| Total | | | \$39,777 | \$77,740 |
| Projected December 2018 fund balance | \$182,024 | | | |
| 2019 Revenues - Proposed Budget | | | | |
| Assessment | \$37,712 | | | |
| Interest earnings | \$2,000 | | | |
| 2019 Expenditures - Proposed Budget | | | | |
| Levee vegetation maintenance | | | \$25,000 | brushing, spraying and hydroseed |
| Mole control | | | \$6,000 | ACOE deficiency |
| Alternative corrections crew labor | | | \$10,000 | misc levee and mitigation maintenance |
| Address new ACOE deficiencies | | | \$0 | retaining walls/new problems |
| Hannegan Levee Rehabilitation (USACE) | | | \$27,600 | 6% of total project cost |
| Abbott Levee Erosion Protection | | | \$20,000 | 50% Road fund, 42.5% FCZD, 7.5% LE |
| Cost-share/repairs as needed | | | \$0 | |
| Coordination | | | \$7,000 | |
| Total | | | \$39,712 | \$95,600 |
| Projected December 2019 fund balance | \$126,136 | | | |

**Sumas/Nooksack/Everson Subzone
2019 Budget
and Fund Balance Projections**

Exhibit A

| | | | | | |
|---------------------------------------------|--------------------|-----|-----------|------------------|---------------------------------------------------------------|
| Fund balance as of December 31, 2017 | \$1,226,618 | (+) | (-) | Subtotal | Notes |
| 2018 Estimated Revenues: | | | | \$123,825 | |
| Assessment | \$113,825 | | | | |
| Interest earnings | \$10,000 | | | | |
| 2018 Estimated Expenditures: | | | | \$51,800 | |
| Levee vegetation maintenance | | | \$4,300 | | brushing and spraying |
| Mitigation monitoring and maintenance | | | \$5,000 | | crew and supplies |
| Alternative corrections crew labor | | | \$5,000 | | misc maintenance |
| Cost-share for 2018 Swift Creek project | | | \$37,500 | | 30% of 125,000; assumes 50/50 cost-share with Roads for 250k |
| Total | | | | \$123,825 | \$51,800 |
| Projected December 2018 fund balance | \$1,298,643 | | | | |
| 2019 Revenues - Proposed Budget | | | | \$123,825 | |
| Assessment | \$113,825 | | | | |
| Interest earnings | \$10,000 | | | | |
| 2019 Expenditures - Proposed Budget | | | | \$215,000 | |
| Levee vegetation maintenance | | | \$5,000 | | brushing, spraying and hydroseed |
| Fuel | | | \$5,000 | | Fuel for pumps |
| Mitigation monitoring and maintenance | | | \$5,000 | | crew and supplies |
| Alternative corrections crew labor | | | \$5,000 | | misc maintenance |
| Transfer to Swift Creek project fund | | | \$45,000 | | 150k Road fund, 105K FCZD fund also transferred for \$300k/yr |
| Cost-share/repairs as needed (new damage) | | | \$150,000 | | 30% of \$500,000 project |
| Total | | | | \$123,825 | \$215,000 |
| Projected December 2019 fund balance | \$1,207,468 | | | | |

**Acme/Van Zandt Subzone
2019 Budget
and Fund Balance Projections**

Exhibit A

| | | | | | |
|------------------------------------------------------------|------------------|------------|-----------------|-----------------|-------------------------------------|
| Fund balance as of December 31, 2017 | \$302,795 | (+) | (-) | Subtotal | Notes |
| 2018 Estimated Revenues: | | | | \$25,666 | |
| Assessment | \$22,940 | | | | |
| Interest earnings | \$2,726 | | | | |
| 2018 Estimated Expenditures: | | | | \$21,435 | |
| Cost-share/repairs as needed | | | \$15,000 | | 30% of 50k project |
| M&O for Jones Creek stage/prec gage | | | \$6,135 | | 9 month operation with telemetry |
| Admin support for meetings/minutes | | | \$300 | | |
| Total | | | \$25,666 | \$21,435 | |
| Projected December 2018 fund balance | \$307,026 | | | | |
| 2019 Revenues - Proposed Budget | | | | \$25,440 | |
| Assessment | \$22,940 | | | | |
| Interest earnings | \$2,500 | | | | |
| 2019 Expenditures - Proposed Budget | | | | \$36,815 | |
| Cost-share/repairs as needed | | | \$30,000 | | 30% of 100k project |
| M&O for Jones Creek stage/prec gage (9 month operation) | | | \$6,315 | | 9 month operation with telemetry |
| Admin support for meetings/minutes | | | \$500 | | |
| Total | | | \$25,440 | \$36,815 | |
| Projected December 2019 fund balance | \$295,651 | | | | |

**Samish Watershed Subzone
2019 Proposed Budget
and Fund Balance Projections**

Exhibit A

| | | | | |
|------------------------------------------------------|------------------|------------|-----------------|-----------------------|
| Fund balance as of December 31, 2017 | \$112,866 | (+) | (-) | Subtotal Notes |
| 2018 Estimated Revenues: | | | | \$21,620 |
| Assessment | \$21,010 | | | |
| Interest earnings | \$610 | | | |
| 2018 Estimated Expenditures: | | | | \$13,750 |
| Natural resource staff salaries, wages, benefits | | | \$3,850 | |
| Office & operating supplies | | | \$150 | |
| Repair & maintain weir & channel - contract services | | | \$3,500 | |
| Repairs & Maintenance - interfund | | | \$5,500 | |
| Permits | | | \$750 | |
| Total | \$21,620 | | \$13,750 | |
| Projected Fund Balance December 31, 2018 | \$120,736 | | | |
| 2019 Revenues - Proposed Budget | | | | \$21,620 |
| Assessment | \$21,010 | | | |
| Interest earnings | \$610 | | | |
| 2019 Expenditures - Proposed Budget | | | | \$16,250 |
| Natural resource staff salaries, wages, benefits | | | \$4,750 | |
| Office & operating supplies | | | \$750 | |
| Repair & maintain weir & channel - contract services | | | \$4,500 | |
| Repairs & Maintenance - interfund | | | \$5,500 | |
| Permits | | | \$750 | |
| Total | \$21,620 | | \$16,250 | |
| Projected December 2019 fund balance | \$126,106 | | | |

Birch Bay Subzone
2019 Budget

Exhibit A

| Object Account | Administration/ Personnel | Program Development & Management | Capital Improvement Projects | Maintenance & Small Works | Water Quality Monitoring | Education & Outreach | Habitat Improvement | Total | Overhead/ Admin | 2019 Break Out | | |
|--------------------------------------|------------------------------|----------------------------------------|------------------------------------|------------------------------|-----------------------------|-------------------------|------------------------|------------------|--------------------|----------------|-------------------|------------------|
| | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | A | M&O O | Construction C | |
| Salaries & Wages | 56,935 | | | | | | | 56,935 | | | | |
| Extra Help | 23,500 | | | | | | | 23,500 | | | | |
| Overtime | 4,000 | | | | | | | 4,000 | | | | |
| Benefits | 44,474 | | | | | | | 44,474 | | | | |
| Total Salaries & Benefits | 128,909 | | | | | | | 128,909 | 128,909 | | | |
| Unrealized Gain (Loss) | 0 | | | | | | | 0 | | | | |
| Office & Operating Supplies | 1,000 | | | | | 4,800 | 15,000 | 20,800 | 5,800 | | 15,000 | |
| Office & Oper. Supplies-Interfund | 200 | | | | | | | 200 | 200 | | | |
| Printing | | | | | | 3,000 | | 3,000 | | 3,000 | | |
| Books/Publications/Subscrip. | 200 | | | | | | | 200 | 200 | | | |
| Tools & Equipment | | | | | 100 | | | 100 | | 100 | | |
| Software | 1,500 | | | | | | | 1,500 | 1,500 | | | |
| Contractual Services | | | | | 12,500 | | | 12,500 | | 12,500 | | |
| Professional Services | 15,000 | 10,000 | 129,000 | 20,000 | | 1,500 | | 175,500 | | 26,500 | 149,000 | |
| Building Maintenance | 1,181 | | | | | | | 1,181 | 1,181 | | | |
| Construction Contracts | | | | | | | | 0 | | | | |
| Other Services-Interfund | | | 97,000 | 12,000 | | | | 109,000 | 0 | | 109,000 | |
| Postage/Shipping/Freight | 500 | | | | | | | 3,500 | | 3,500 | | |
| Postage-Interfund | 100 | | | | | 3,000 | | 100 | | 100 | | |
| Telephone | 840 | | | | | | | 840 | 840 | | | |
| Travel-Educ/Training | 1,000 | | | | | | | 1,000 | 1,000 | | | |
| Travel-Other | 1,500 | | | | | | | 1,500 | 1,500 | | | |
| Advertising | | | | | | | | | | 800 | | |
| Equipment Rental | 200 | | | | | 800 | | 200 | | 200 | | |
| Space Rental | | 1,000 | | | | | | 1,250 | 1,250 | | | |
| Space Rental-Interfund | 1,500 | | | | | 250 | | 1,500 | 1,500 | | | |
| Insurance Premium - Interfund | 641 | | | | | | | 641 | 641 | | | |
| Repairs & Maintenance | | | | 18,000 | | | | 18,000 | | 18,000 | | |
| Repairs & Maintenance - Interfund | | | | 10,000 | | | | 10,000 | | 10,000 | | |
| Registration/Tuition | 2,100 | | | | | | | 2,100 | 2,100 | | | |
| Meeting Refreshments | | 300 | | | | 200 | | 500 | | 500 | | |
| Administrative Cost Allocation | 13,034 | | | | | | | 13,034 | 13,034 | | | |
| Other Miscellaneous | | | | | | | | 0 | | | | |
| Other Miscellaneous-Interfund | | | 0 | 2,000 | | | | 2,000 | | | 2,000 | |
| Intergov. Professional Services | | | | | | 20,000 | | 20,000 | | 20,000 | | |
| Capital Outlays - Other Improvements | | | 755,000 | 18,000 | | | | 773,000 | | | 773,000 | |
| Operating Transfer Out - Gen Fd | 18,378 | | | | | | | 18,378 | 18,378 | | | |
| Operating Transfer Out - Strm BBWARM | 55,605 | | | | | | | 55,605 | 55,605 | | | |
| Total Expenditures | 243,388 | 11,300 | 981,000 | 80,000 | 12,600 | 33,550 | 15,000 | 1,376,838 | 233,638 | 95,200 | 1,048,000 | 1,376,838 |

Capital Improvement Projects

| Object Code | Project/Program | 2019 |
|----------------------------------------------------------------------------|--------------------------------------|----------------|
| North Cottonwood Neighborhood Stormwater Improvements (Hazel) | | |
| 6630 | PROFESSIONAL SERVICES | |
| 7380 | CAPITAL OUTLAYS - OTHER IMPROVEMENTS | |
| 6699 | OTHER SERVICES INTERFUND | 1,500 |
| 7199 | OTHER MISC INTERFUND | |
| Birch Bay Drive/Petticote Lane Drainage Improvements (PW-2 & 3) | | |
| 6630 | PROFESSIONAL SERVICES | 47,500 |
| 7380 | CAPITAL OUTLAYS - OTHER IMPROVEMENTS | 755,000 |
| 6699 | OTHER SERVICES INTERFUND | 75,000 |
| 7199 | OTHER MISC INTERFUND | |
| Harborview Road Combined Drainage Imprv Phase I | | |
| 6630 | PROFESSIONAL SERVICES | 30,000 |
| 7380 | CAPITAL OUTLAYS - OTHER IMPROVEMENTS | |
| 6699 | OTHER SERVICES INTERFUND | 6,000 |
| 7199 | OTHER MISC INTERFUND | |
| Lora Lane Tide Gate Modifications | | |
| 6630 | PROFESSIONAL SERVICES | 51,500 |
| 7380 | CAPITAL OUTLAYS - OTHER IMPROVEMENTS | |
| 6699 | OTHER SERVICES INTERFUND | 14,500 |
| 7199 | OTHER MISC INTERFUND | |
| Total Expenditures | | 981,000 |
| Object Code Totals | | |
| 6630 | PROFESSIONAL SERVICES | 129,000 |
| 6699 | OTHER SERVICES INTERFUND | 97,000 |
| 7199 | OTHER MISC INTERFUND | 0 |
| 7380 | CAPITAL OUTLAYS - OTHER IMPROVEMENTS | 755,000 |
| Total Expenditures | | 981,000 |

Exhibit B
 Whatcom County Flood Control Zone District
 Flood Capital Program
 2019

| Department | Fund | Database ID No. | Project Title | Year | Cost |
|------------------------------|------------|-----------------|-----------------------------------------------------------------|------|---------------------|
| Flood Capital Program | | | | | |
| Public Works | Flood Fund | 07-002 | Marietta Acquisition | 2019 | \$ 452,000 |
| Public Works | Flood Fund | 18-002 | Truck Road Emergency Erosion Protection | 2019 | \$ 35,000 |
| Public Works | Flood Fund | 15-004 | Marine Drive Levee Repair | 2019 | \$ 5,000 |
| Public Works | Flood Fund | 07-125 | High Creek | 2019 | \$ 60,000 |
| Public Works | Flood Fund | 18-003 | Hannegan Levee Rehabilitation (USACE) | 2019 | \$ 97,000 |
| Public Works | Flood Fund | 18-004 | Sande-Williams (DD#2/USACE) | 2019 | \$ 100,000 |
| Public Works | Flood Fund | 18-005 | Abbott Levee Erosion Protection | 2019 | \$ 1,135,000 |
| Public Works | Flood Fund | 16-001 | Rayhorst Levee Improvements | 2019 | \$ 85,000 |
| Public Works | Flood Fund | 16-004 | Red River Levee Stabilization | 2019 | \$ 235,000 |
| Public Works | Flood Fund | 16-002 | Twin View Levee Improvements | 2019 | \$ 5,000 |
| Public Works | Flood Fund | 16-003 | Lynden Levee Improvement | 2019 | \$ 80,000 |
| Public Works | Flood Fund | 07-002 | Floodplain Acquisition | 2019 | \$ 300,000 |
| Public Works | Flood Fund | 07-105 | Jones Creek Debris Flow Protection | 2019 | \$ 230,000 |
| Public Works | Flood Fund | 07-104 | Ferndale Levee Improvement | 2019 | \$ 225,000 |
| Public Works | Flood Fund | 18-006 | Glacier-Gallup Alluvial Fan Restoration | 2019 | \$ 130,000 |
| Total | | | | | \$ 3,174,000 |
| Public Works | BBWARM | 07-242 | Birch Bay Drive/Petticote Lane Drainage Improvements (PW-2 & 3) | 2019 | \$ 877,500 |
| Public Works | BBWARM | 07-217 | Harborview Road Drainage Improvements P1 | 2019 | \$ 36,000 |
| Public Works | BBWARM | 18-008 | Lora Lane Drainage & Tide Gate Modifications (TC1-2) | 2019 | \$ 66,000 |
| Total | | | | | \$ 979,500 |