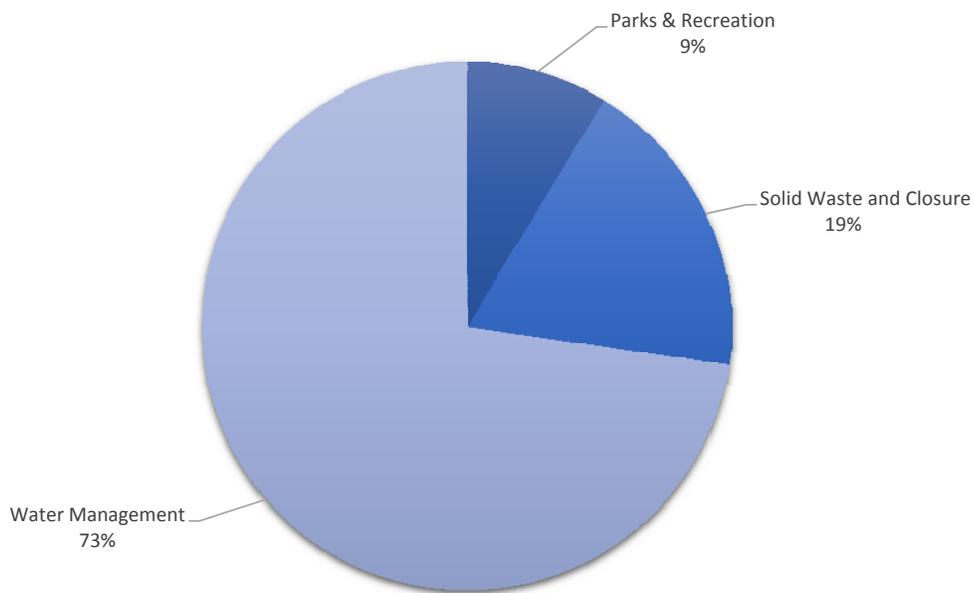
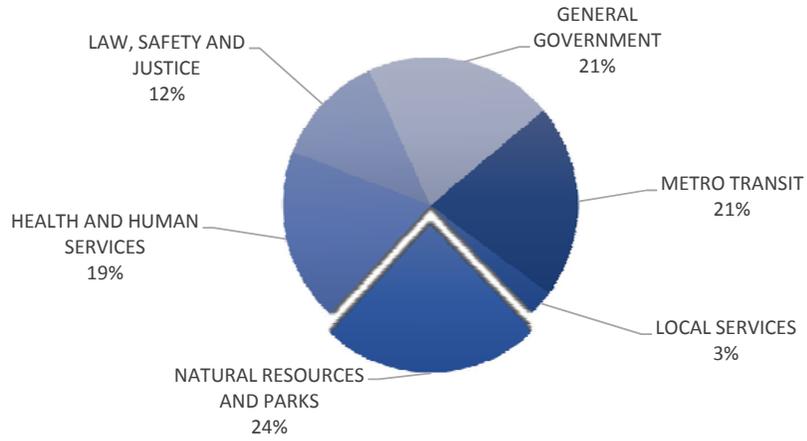


# **NATURAL RESOURCES AND PARKS**

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## Natural Resources and Parks \$2.8 Billion



**Organization of the Pie Chart: The following agencies were combined to make the pie chart more readable.**

**Parks & Recreation:** Parks & Recreation, Youth Sports Facilities Grants, Open Space and Trails Levy

**Solid Waste & Closure:** DNR Admin., Solid Waste, Post-Closure Landfill Maintenance, Historic Preservation Program

**Water Management:** Intercounty River Improvement, Water & Land Resources, Surface Water Management Local Drainage, Wastewater Treatment, Noxious Weeds, Flood Control District

Due to rounding, figures may not add to 100%.

# INTRODUCTION

The Natural Resources and Parks programs support services related to community and regional parks, various recreational programs, solid waste disposal, surface water management, and wastewater treatment. These services are delivered by divisions within the Department of Natural Resources and Parks.

**The Department of Natural Resources and Parks (DNRP)** serves as the steward of the region's environment. DNRP protects the region's water and land and natural habitats by ensuring the safe disposal of and reuse of wastewater and solid waste, and providing natural areas, parks, regional trails and recreation programs. It provides these services through five divisions: DNRP Administration, Wastewater Treatment Division, Water and Land Resources Division, Solid Waste Division, and the Parks and Recreation Division. These divisions are supported by dedicated funding sources and provide services that enhance the quality of life and economic vitality of the Puget Sound region.



# DEPARTMENT OF NATURAL RESOURCES AND PARKS ADMINISTRATION

## Mission

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Provide regional parks and trails, protect the region's water, air, land, natural habitats and historic properties, and reduce, safely dispose of, and create resources from wastewater and solid waste.

## Overview

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The Director's Office of the Department of Natural Resources and Parks (DNRP) provides leadership, oversight, and support to the department's four operational divisions: Parks and Recreation, Solid Waste, Wastewater Treatment, and Water and Land Resources. In addition, the Director's Office provides oversight and administration to the King County Historic Preservation Program (HPP), Fund to Reduce Energy Demand (FRED), and the countywide Strategic Climate Action Plan (SCAP). The Director's Office was budgeted in an appropriation unit within the Solid Waste operating fund (Fund 4040). In the 2019-2020 budget, it is moving to a new, dedicated Director's Office fund, Fund 1600, to improve efficiency and transparency.

The Director's Office is organized into three main sections: DNRP Administration, the King County Historic Preservation Program (HPP), and the Strategic Climate Action Plan (SCAP) section. The SCAP section is a countywide effort that is housed in DNRP.

### Administration

The Administration section provides leadership and oversight for DNRP's operating divisions and assists the divisions in meeting King County Strategic Plan goals. Over the next biennium, this section will: continue to provide direction and leadership to DNRP divisions on delivering products and services, advancing partnerships and major county initiatives, and promote collaboration within the division. The Administration section collects an allocation from the agencies it serves to support its operations.

## Historic Preservation Program

HPP is responsible for designating and protecting significant historic and archaeological sites within the unincorporated area of King County and in cities that have agreements with the County for these services. HPP will continue this work in the next biennium. HPP is funded primarily by a \$1 document recording fee surcharge accounted for in the Historical Preservation and Historic Programs Fund (HPPH) created in 2010.

## Strategic Climate Action Plan Section

The SCAP section promotes countywide climate goals that are designed to improve King County's environmental stewardship of its resources and create the foundation from which King County agencies can launch other climate initiatives. It is housed in DNRP but provides services across the county. In the 2019-2020 biennium, the SCAP section will: update the countywide SCAP strategic plan, continue implementation of countywide climate initiatives, and advance countywide initiatives such as the Million Trees Project. SCAP is funded by various agencies through the climate allocation model which is based on greenhouse gas emissions of the paying agencies.

The Director's Office is located in Fund 000001600. HPP is in Fund number 000001471.

## Challenges, Opportunities, and Strategic Issues

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The most pressing issues facing the Director's Office include the increasing number of expected retirements, the increasing need to address changes resulting from climate change, and the rapidly changing demographic characteristics of those we serve.

The Director's Office has pursued a number of strategies to address these challenges and continues to provide support and leadership to DNRP divisions facing similar struggles. Some of these strategies include:

- Investing in employee training and development to strengthen the cultural competency of the workforce
- Providing support and resources to DNRP divisions to advance equity and social justice within the department
- Providing support and resources to DNRP divisions in developing and implementing strategies to prepare for climate change and mitigate climate impacts
- Investing in tools that will support better data-driven decision making for both programs and capital projects

The following section will address some of these strategies in more detail

## 2019-2020 Priorities

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### Equity and Social Justice

The Director's Office has robust efforts underway to advance ESJ in its routine practices and special projects. DNRP has an ESJ team, division-scale teams, and processes to coordinate with other departments and agencies in several areas.

For the 2019-2020 biennium, the Director's Office's ESJ efforts will focus on the following functions:

- Developing and delivering training that informs, engages and empowers staff, sections, and work units in advancing ESJ
- Providing technical assistance for divisions in applying the Equity Impact Review tool, community engagement guide, and related tools
- Mapping the status and trends of determinants of equity that align to DNRP functions
- Evaluating employee survey data and using ESJ audit tools to guide and track workplace practice improvements
- Coordinating department ESJ team and work program development and monitoring
- Serving as DNRP liaison to the ESJ Inter-branch team and committees

These functions will drive at the following goals:

- Diverse workforce
- Engaged and trained employees around workplace inclusivity
- Identified and utilized tools for exploring ESJ in a staff meeting context
- Equity considerations driven into routine business, policy development, operational improvements, and capital project implementation

### Strategic Climate Action Plan

In 2019-2020, the SCAP section will advance a number of initiatives related to this executive priority.

**Energy Audits** Energy audits are performed at DNRP facilities both to proactively identify energy efficiency opportunities, and to coincide with near-term capital and operating investments. These energy audits include equipment-specific audits (such as lighting), as well as scoping audits to identify potential cost-effective investments throughout specific facilities. The results of the audits will be used to identify future energy efficiency projects for this biennium and beyond.

**Biogas** In recent years, DNRP has been active both monetizing the value of generated biogas, and expanding its renewable generation through the installation of solar energy projects. In 2019-2020, the department will focus on optimizing the conversation of available biogas to beneficial end uses and expanding solar energy efforts.

**DNRP Carbon Neutral Program** In 2017, DNRP became the first agency in the County to become carbon neutral. In order to meet emissions targets in future years, each division sets aside funds based on a proportion of their energy consumption each year to be invested in energy efficiency and other GHG reduction projects. This carbon reduction investment fund has resulted in approximately \$560,000 being spent each year across the department's four divisions for energy efficiency and for tree planting efforts in the Water and Land Resources Division and Parks Division. Investments over the first three years of the program are estimated to result in over \$4 million saved and 55,000 MTCO<sub>2</sub> avoided over the lifetime of the improvements. In 2019-2020, work is taking place to expand this effort to other county departments.

**2019-2020 Executive Proposed Operating Budget  
DNRP ADMINISTRATION (EN\_A38200)**

<b>Operating Budget Summary</b>	<b>Expenditures</b>	<b>Revenues</b>	<b>Reg FTE</b>	<b>TLT</b>
<b>2017-2018 Revised Budget</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>
Base Budget Adjustments	384,968	0	1.0	0.0
Decision Package Adjustments	15,532,217	15,917,182	23.0	0.0
<b>2019-2020 Executive Proposed Budget</b>	<b>15,917,185</b>	<b>15,917,182</b>	<b>24.0</b>	<b>0.0</b>
<b>2019-2020 Executive Proposed Ordinance</b>	<b>15,918,000</b>	<b>15,918,000</b>	<b>24.0</b>	<b>0.0</b>

**Notes**

1. The 2017-2018 Revised Budget equals the 2017-2018 Adopted Biennial Budget plus all Adopted Supplementals as of the publication of this document.
2. Adjust base budget to remove one-time changes, annualize supplemental changes, and increase personnel budgets to 2019-2020 rates. Personnel budgets reflect projected 2019-2020 salary and benefit rates, current position classifications, and step/merit increases.
3. The Executive Proposed Budget is the sum of the Revised Budget, Base Budget Adjustments, and Decision Package Adjustments. All FTEs / TLTs are rounded to the nearest 1/10th of a position and in some cases, rounded numbers may not add up to the FTE/TLT totals in Executive Proposed. In the Executive Proposed Ordinance, expenditure and revenue totals are rounded up to the nearest 1,000 and FTEs and TLTs are rounded up to the maximum monthly FTEs / TLTs in the Biennium.

<b>Decision Package Adjustment Detail</b>	<b>Expenditures</b>	<b>Revenues</b>	<b>Reg FTE</b>	<b>TLT</b>
<b>Direct Service Changes</b>				
(DS_001) DNRP ESJ iMAP Initiative Create a governance structure to enhance effective adoption and standardization of Equity and Social Justice (ESJ) iMAP features. This effort will primarily impact the Department of Natural Resources and Parks' (DNRP) Director's Office and DNRP's four operating units and will create a framework to standardize iMAP use and maintenance and streamline data collection.	270,000	0	0.0	0.0
<b>Administrative Service Changes</b>				
(AC_001) Reclass Communications Officer to Government Relations Officer Fortify and maintain constructive council relations for the Department Natural Resources & Parks. The position will reclass an existing communication officer III to a government relations officer.	122,319	0	0.0	0.0
(AC_002) Strategic Climate Action Plan Programs and Updates Perform technical analysis on climate change initiatives implemented for the 2015 Strategic Climate Action Plan (SCAP) to prepare the update to the 2020 SCAP. Continue to implement priority projects identified by the 2015 SCAP.	350,000	0	0.0	0.0

**2019-2020 Executive Proposed Operating Budget  
DNRP ADMINISTRATION (EN\_A38200)**

<b>Decision Package Adjustment Detail</b>	<b>Expenditures</b>	<b>Revenues</b>	<b>Reg FTE</b>	<b>TLT</b>
(AC_003) DNRP ESJ Trainer Capacity Building Provide coaching to Equity and Social Justice (ESJ) trainers to ensure Department of Natural Resources and Parks' employees have access to high quality ESJ trainers and training courses that convey knowledge and skills and help empower the advancement of ESJ through routine business functions.	25,000	0	0.0	0.0
(AC_004) K4C Collaboration Fund climate related projects that are collectively approved by King County and city partners. As part of the King County-Cities Climate Collaboration (K4C), partners, including KC, contribute funds to a shared budget.	77,400	67,400	0.0	0.0
(AC_022) Human Resources Manager Centralization Centralize human resources manager positions within the new Department of Human Resources. This adjustment will allow for improved accountability and uniform direction without impacting the level of service provided to agencies.	(384,968)	0	(1.0)	0.0
(AC_300) Establish DNRP Administration in its New Fund Move existing appropriation and FTEs out of Solid Waste's fund and into DNRP Administration's new fund. This reorganization will increase transparency and create efficiencies in budgeting and accounting.	14,577,514	13,913,404	24.0	0.0
<b>Technical Adjustments</b>				
(TA_001) Net Zero Adjustment - Climate Cost Center Adjust accounts across the Climate cost centers, to re-balance to better reflect where expenditures are likely to occur.	0	0	0.0	0.0
(TA_002) Revenue Adjustment Adjust the Director's Office overhead model to reflect current biennium budget.	0	1,572,392	0.0	0.0
(TA_003) Revenue Adjustment -- Climate Cost Share Adjust the climate cost share's allocation model to reflect current biennium budget.	0	363,986	0.0	0.0
(TA_098) Net Zero Adjustments Adjust accounts across the cost centers in the Director's Office, to re-balance to better reflect where expenditures are likely to occur.	0	0	0.0	0.0
<b>Central Rate Adjustments</b>	494,952	0	0.0	0.0
<b>Total Decision Package Adjustments</b>	<b>15,532,217</b>	<b>15,917,182</b>	<b>23.0</b>	<b>0.0</b>

**2019-2020 Proposed Financial Plan**  
**Department of Natural Resources & Parks Administration /000001600**

Category	2017-2018 Estimated	2019-2020 Proposed Budget	2021-2022 Projected	2023-2024 Projected
<b>Beginning Fund Balance</b>	-	-	-	-
<b>Revenues</b>				
DNRP Overhead Allocation		13,109,940	13,477,018	13,921,760
General Fund Contribution for Food Policy		184,000	189,152	195,394
Climate Cost Share Allocation		2,555,842	2,628,173	2,715,807
K4C Partner Contribution		67,400	67,400	67,400
<b>Total Revenues</b>	-	<b>15,917,182</b>	<b>16,361,743</b>	<b>16,900,361</b>
<b>Expenditures</b>				
Director's Office Operating Costs	-	(13,293,940)	(13,666,170)	(14,117,154)
Climate Cost Center Operating Costs	-	(2,583,242)	(2,655,573)	(2,743,207)
King County K4C Contribution		(40,000)	(40,000)	(40,000)
<b>Total Expenditures</b>	-	<b>(15,917,182)</b>	<b>(16,361,743)</b>	<b>(16,900,361)</b>
<b>Estimated Underexpenditures</b>				
<b>Other Fund Transactions</b>				
<b>Total Other Fund Transactions</b>	-	-	-	-
<b>Ending Fund Balance</b>	-	-	-	-
<b>Reserves</b>				
Rainy Day Reserve (30 days)	-			
<b>Total Reserves</b>	-			
Reserve Shortfall	-			
<b>Ending Undesignated Fund Balance</b>	-	-	-	-

**Financial Plan Notes**

All financial plans have the following assumptions, unless otherwise noted in below rows.

2017-2018 Estimated reflects the best estimate for the biennium.

2019-2020 Proposed Budget ties to Hyperion and matches 2019-2020 Estimated until 2019 actuals are available.

Outyear revenue and expenditure inflation assumptions are consistent with figures provided by PSB (2.8% for 2021-22, 3.3% for 2023-2024).

Reserve Notes: This fund does not carry a reserve as it allocates all of its costs out through overhead allocations to other agencies.

This form was prepared by Felix Amerasinghe on 06/29/2018

**2019-2020 Executive Proposed Operating Budget  
HISTORIC PRESERVATION PROGRAM (EN\_A84600)**

<b>Operating Budget Summary</b>	<b>Expenditures</b>	<b>Revenues</b>	<b>Reg FTE</b>	<b>TLT</b>
<b>2017-2018 Revised Budget</b>	<b>1,520,284</b>	<b>1,028,755</b>	<b>0.0</b>	<b>0.0</b>
Base Budget Adjustments	(405,256)	(2,917)	0.0	0.0
Decision Package Adjustments	63,690	13,352	4.0	0.0
<b>2019-2020 Executive Proposed Budget</b>	<b>1,178,718</b>	<b>1,039,190</b>	<b>4.0</b>	<b>0.0</b>
<b>2019-2020 Executive Proposed Ordinance</b>	<b>1,179,000</b>	<b>1,040,000</b>	<b>4.0</b>	<b>0.0</b>

**Notes**

1. The 2017-2018 Revised Budget equals the 2017-2018 Adopted Biennial Budget plus all Adopted Supplementals as of the publication of this document.

2. Adjust base budget to remove one-time changes, annualize supplemental changes, and increase personnel budgets to 2019-2020 rates. Personnel budgets reflect projected 2019-2020 salary and benefit rates, current position classifications, and step/merit increases.

3. The Executive Proposed Budget is the sum of the Revised Budget, Base Budget Adjustments, and Decision Package Adjustments. All FTEs / TLTs are rounded to the nearest 1/10th of a position and in some cases, rounded numbers may not add up to the FTE/TLT totals in Executive Proposed. In the Executive Proposed Ordinance, expenditure and revenue totals are rounded up to the nearest 1,000 and FTEs and TLTs are rounded up to the maximum monthly FTEs / TLTs in the Biennium.

<b>Decision Package Adjustment Detail</b>	<b>Expenditures</b>	<b>Revenues</b>	<b>Reg FTE</b>	<b>TLT</b>
<b>Administrative Service Changes</b>				
(AC_301) Consolidate Historic Preservation Program in HPHP Fund				
Move existing appropriation and FTEs from Solid Waste Fund 4040 and into this Historic Preservation and Historic Programs Fund 1471. This move will increase transparency and create efficiencies in budgeting and accounting.	1,064,722	1,139,028	4.0	0.0
<b>Technical Adjustments</b>				
(TA_005) Technical Adjustments				
Reappropriate unspent barn grants and remove double counting of expenditures associated with the combining of cost centers 381012 and 846001 to improve efficiency and reflect current expenditure level. The combining of the two cost centers is expected to improve transparency by having all relevant charges reflected in a common location.	(1,116,484)	(988,823)	0.0	0.0
(TA_050) Revenue Adjustment				
Revise budgeted revenues to match current forecast.	0	(136,853)	0.0	0.0
<b>Central Rate Adjustments</b>	115,452	0	0.0	0.0
<b>Total Decision Package Adjustments</b>	<b>63,690</b>	<b>13,352</b>	<b>4.0</b>	<b>0.0</b>

**2019-2020 Proposed Financial Plan  
Historic Preservation Program / 000001471**

Category	2017-2018 Estimated	2019-2020 Proposed Budget	2021-2022 Projected	2023-2024 Projected
<b>Beginning Fund Balance</b>	<b>66,466</b>	<b>164,472</b>	<b>27,028</b>	<b>(88,906)</b>
<b>Revenues</b>				
Recorded Document Fees	994,837	965,540	1,018,605	1,045,199
Interest & Other Income	4,923	4,100	4,215	4,354
State & Federal Grants	-	24,000	24,000	24,000
Bond Proceeds (Barn Grant Program)	347,770	47,634	-	-
<b>Total Revenues</b>	<b>1,347,530</b>	<b>1,041,274</b>	<b>1,046,820</b>	<b>1,073,553</b>
<b>Expenditures</b>				
Transfer to Historic Preservation Cost Center	(919,686)	-	-	-
Historic Preservation Operating Costs	-	(1,131,084)	(1,162,754)	(1,201,125)
Barn Grant Administrative Costs	(29,985)	(2,084)	-	-
Historic Barn Grant Awards	(299,853)	(45,550)	-	-
<b>Total Expenditures</b>	<b>(1,249,524)</b>	<b>(1,178,718)</b>	<b>(1,162,754)</b>	<b>(1,201,125)</b>
<b>Estimated Underexpenditures</b>				
<b>Other Fund Transactions</b>				
<b>Total Other Fund Transactions</b>	-	-	-	-
<b>Ending Fund Balance</b>	<b>164,472</b>	<b>27,028</b>	<b>(88,906)</b>	<b>(216,479)</b>
<b>Reserves</b>				
Rainy Day Reserve (30 days)	(49,981)	(47,149)	(46,510)	(48,045)
<b>Total Reserves</b>	<b>(49,981)</b>	<b>(47,149)</b>	<b>(46,510)</b>	<b>(48,045)</b>
Reserve Shortfall	-	20,121	135,416	264,524
<b>Ending Undesignated Fund Balance</b>	<b>114,491</b>	<b>-</b>	<b>-</b>	<b>-</b>

**Financial Plan Notes**

All financial plans have the following assumptions, unless otherwise noted in below rows.

2017-2018 Estimated reflects the best estimate for the biennium.

2019-2020 Proposed Budget ties to Hyperion and matches 2019-2020 Estimated until 2019 actuals are available.

Outyear revenue and expenditure inflation assumptions are consistent with figures provided by PSB and/or OEFA.

Revenue Notes:

Total revenues on this financial plan are correct. They are \$2,084 more than what's shown in hyperion due to the inclusion of administrative costs in the Barn Grant program. Barn Grant proceeds cover some administrative costs.

Expenditure Notes:

In 2019-2020, the Historic Preservation cost center will be consolidated into this fund, Fund 1471. Therefore, the transfer to the HPP cost center will no longer occur and the operating costs associated with that cost center will be posted into this fund.

The Barn Grant program is estimated to distribute all of its funds by the end of 2020.

This form was prepared by Felix Amerasinghe on 06/29/2018.

# PARKS & RECREATION DIVISION

## Mission

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We steward, enhance and acquire parks to inspire a healthy community.

## Overview

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The Parks and Recreation Division (Parks) within the King County Department of Natural Resources and Parks (DNRP) encompasses more than 200 park sites, 175 miles of regional trails, 29,000 acres of natural lands and open space, and the White Center Teen and Greenhouse programs. With the help of strong relationships with non-profit, corporate, and community partners, Parks provides recreational opportunities for King County residents and protects our region's public lands, leaving a legacy for future generations.

Through sustainable operations, strategic investments, and citizen participation, the division preserves, protects, maintains, and enhances public lands and recreation facilities. King County residents value the system for: protecting environmental quality and scenic beauty; offering social, educational and recreational opportunities; and contributing to the economic vitality of the region. King County residents are actively involved in the stewardship of their public open space and recreation heritage.

In August 2013, King County voters approved the 2014-2019 King County Parks, Trails, and Open Space Replacement Levy (Parks Levy) which provides approximately 80 percent of the division's operating revenues, as well as over half of the division's capital funding. The enacting ordinance and associated Parks Levy Task Force directs the expenditures and projects funded by the levy consistent with the division's goals:

- **Goal 1:** Take care of King County's existing system of parks and trails, ensuring the system remains clean, safe and open;
- **Goal 2:** Grow and connect regional open space and natural lands, protecting habitat important for fish and wildlife and providing recreation opportunities;
- **Goal 3:** Improve regional trails and non-motorized mobility, ensuring that essential connections are completed and existing trails are maintained; and
- **Goal 4:** Make parks and recreation opportunities more accessible for all King County residents to enjoy.

The 2002 Parks Business Transition Plan was the original blueprint for the King County Parks system of today which focused its lines of business on regional parks and trails, backcountry trails, natural lands, local parks in the unincorporated areas of King County, partnerships, and entrepreneurial initiatives.

## Challenges, Opportunities, and Strategic Issues

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The Parks Division has focused on two key problem statements through its Line of Business planning and 2019-2020 budget development: advancing long-term policy commitments in light of regional growth, an expiring levy, and constrained funding and increasing access to Parks' assets in high-need communities. Addressing these problem statements has informed 2019-2020 budget planning.

### **Building internal capacity to meet existing as well as anticipated future demand.**

Following the 2008-2013 Parks Levy, the division was not appropriately staffed to implement the capital projects committed to in the 2014-2019 levy goals and targets. A strong push to hire capital project staff has helped resolve this issue and the 2019-2020 budget proposes making many of those positions permanent. The division also continues to add positions each year in the operations section to maintain the growing inventory of open space lands and is pursuing appropriation authority to construct the replacement of its Renton maintenance shop.

### **Supporting opportunities to access recreation, particularly for underserved communities.**

Opportunities to access King County's natural resources are not always available to low-income and historically underserved communities. Having highlighted this issue in the line of business planning process, the division has been and will continue to work on a number of efforts to eliminate barriers to parks and recreation. These include a low-income fee discount program, increased communication and signage translation in King County's tier languages, the trailhead direct program that provides transit to trails, and the Youth and Amateur Sports Fund grant program.

**Developing an asset management system to better maintain an aging and growing park system.** Coming out of the last levy, the system faced a significant amount of deferred maintenance. What's more, the division did not have the systems or data in place to convey or identify the most immediate needs and track progress. In order to address this issue, Parks has purchased an asset management software system and implementation is in progress. As part of this budget, the division is proposing an asset program manager to support this work.

### **Professional development and succession planning.**

As is true throughout the county, Parks faces turnover and retirements in key positions in the coming years. What's more, the division is committed to increasing diversity, especially at the management level. The Park's human resources team is working to remove barriers at each stage of the recruiting process and ensure a diverse, excellent set of candidates for every position.

## 2019-2020 Priorities

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This is the final year of the 2014-2019 Parks Levy. As a result, the division is only requesting one year of appropriation authority and will not submit a budget request for 2020 until the next funding source is approved.

As Parks finishes its current funding period, the division continues to advance the four goals listed above in the agency overview and stay consistent with countywide priorities and policy direction. The division also strives to advance the County Executive's Strategic Priorities:

**Strategic Climate Action Plan.** The parks line of business is central to the County's Strategic Climate Action Plan (SCAP). Parks will invest in a number of SCAP programs and projects in the coming biennium, including:

- **One Million Trees** – the division is continuing to support this initiative through a new capital project aimed at restoring 600 acres of forest land and planting more than 110,000 new trees.
- **Land Conservation** – the division has directly supported the work of the King County Land Conservation Advisory Group and continues to help the Executive and the Department of Natural Resources and Parks towards the goal of conserving and preserving remaining high conservation value lands throughout King County. The division's 2019-2020 capital budget request includes continued funding for open space acquisitions in support of this goal.
- **Energy efficiency** – already a carbon neutral agency, Parks continues to look for ways to save energy, pursuing a broad mix of efficiencies, from solar installations on buildings and facilities, to greening equipment and tools used by parks operations and maintenance staff.
- **Trailhead Direct** – the division is continuing its effort to expand this popular pilot project sponsored by King County Parks and Metro's Community Connections program aimed at easing vehicle congestion, reducing safety hazards, and expanding access to hiking destinations.

**Investing in You.** About 60 percent of the Park's Operating Budget is dedicated to staffing. As a result, hiring, developing, and investing in the division's employees is critical to success. Current and future efforts include increased professional development opportunities, a focus on succession planning, and a strong emphasis on inclusive workplace culture, especially as it relates to the division's many remote locations. Many of the decision packages included in this budget are in response to feedback from the employee engagement survey and recent all-staff retreats.

**Equity and Social Justice.** Historically, access to King County's natural beauty and outdoor spaces has not always been available to all of its residents. Central to the Park's mission is the objective that this region's many amenities be easily accessible to everyone. In 2019-2020 Parks will pursue a number of strategies, including:

- **Increase translation** and interpretive services/communication materials for users of the Park system.
- **Rate affordability** analysis and implementation of a low-income discount parks fee.

- Through programs like Trailhead Direct and the Youth and Amateur Sports grant program, Parks is **partnering in new and creative ways** to bring King County's Big Backyard to new communities.

**Best Run Government.** Parks is committed to consistently working with employees to bring down costs, while still ensuring high quality service.

- **Asset Management** – Coming out of the last levy, the system faced a significant amount of deferred maintenance. What's more, the division did not have the systems or data in place to convey or identify the most immediate needs and track progress. In order to address this issue, Parks has purchased an asset management software system and implementation is in progress.
- **Streamline Public Information** – the division is making a concerted effort to streamline information for the public.

**2019-2020 Executive Proposed Operating Budget  
PARKS AND RECREATION (EN\_A64000)**

<b>Operating Budget Summary</b>	<b>Expenditures</b>	<b>Revenues</b>	<b>Reg FTE</b>	<b>TLT</b>
<b>2017-2018 Revised Budget</b>	<b>87,839,412</b>	<b>88,003,012</b>	<b>219.1</b>	<b>0.0</b>
Base Budget Adjustments	3,967,599	888,756	0.0	0.0
Decision Package Adjustments	(43,313,258)	(43,187,444)	15.0	1.0
<b>2019-2020 Executive Proposed Budget</b>	<b>48,493,753</b>	<b>45,704,324</b>	<b>234.1</b>	<b>1.0</b>
<b>2019-2020 Executive Proposed Ordinance</b>	<b>48,494,000</b>	<b>45,705,000</b>	<b>234.1</b>	<b>1.0</b>

**Notes**

1. The 2017-2018 Revised Budget equals the 2017-2018 Adopted Biennial Budget plus all Adopted Supplementals as of the publication of this document.

2. Adjust base budget to remove one-time changes, annualize supplemental changes, and increase personnel budgets to 2019-2020 rates. Personnel budgets reflect projected 2019-2020 salary and benefit rates, current position classifications, and step/merit increases.

3. The Executive Proposed Budget is the sum of the Revised Budget, Base Budget Adjustments, and Decision Package Adjustments. All FTEs / TLTs are rounded to the nearest 1/10th of a position and in some cases, rounded numbers may not add up to the FTE/TLT totals in Executive Proposed. In the Executive Proposed Ordinance, expenditure and revenue totals are rounded up to the nearest 1,000 and FTEs and TLTs are rounded up to the maximum monthly FTEs / TLTs in the Biennium.

<b>Decision Package Adjustment Detail</b>	<b>Expenditures</b>	<b>Revenues</b>	<b>Reg FTE</b>	<b>TLT</b>
<b>Direct Service Changes</b>				
(DS_001) Increase Park Patrols with King County Sheriff's Office Add budget authority to contract with the King County Sheriff's Office for two deputies to be dedicated to patrolling King County parks and trails to ensure the safety of park employees and park users.	477,000	0	0.0	0.0
(DS_002) Backcountry Trails Safety and Project Manager Resources Add resources including one half of a full-time project manager to develop and launch an education campaign for the backcountry trails to improve user etiquette and safety.	114,124	0	0.5	0.0
(DS_003) Parks Specialist Positions for Open Space Stewardship Add two parks specialist FTE positions and equipment to maintain the growing inventory of open space lands. The 2014-2019 King County Parks Levy included an annual inflation-adjusted allotment for stewardship of newly-acquired natural lands. This represents the 2019 Open Space Stewardship allotment.	299,012	0	2.0	0.0

**2019-2020 Executive Proposed Operating Budget  
PARKS AND RECREATION (EN\_A64000)**

Decision Package Adjustment Detail	Expenditures	Revenues	Reg FTE	TLT
(DS_004) Capital Project Managers and Communications Specialist Positions Add three capital project managers (CPM) and one communication specialist to continue progress on the regional trail system including development of new connections and the resurfacing of the aging, existing system. Also adds resources for outreach and branding of the regional trail system including messaging, logo, and signage, in order to build greater awareness and use of the trails. The CPMs will be fully funded by the regional trail capital program in Parks Capital Fund 3581.	238,250	0	4.0	0.0
(DS_005) Continued Support for Trailhead Direct Add resources including one half of one full-time project manager and marketing materials to support Trailhead Direct, a program sponsored in partnership with King County Parks and King County Metro Transit. The program seeks to ease vehicle congestion, reduce safety hazards and expand access to the park system by providing shuttles from various locations in the urban area to hiking destinations along I-90.	79,124	0	0.5	0.0
(DS_006) Communication and Signage Translation Add budget authority to invest in a pilot project to improve system signage to include additional, community-appropriate languages and symbols in order to provide better communication to limited English-speaking park users.	25,000	0	0.0	0.0
(DS_007) Specialized Project Managers Add two capital project managers and one project manager with specializations in engineering, architecture, and archaeology to implement capital projects more quickly and efficiently. The CPMs will be fully funded by the capital improvement program in Parks Capital Funds 3160 and 3581.	128,622	0	3.0	0.0
(DS_008) Expand Low Income Discount on Parks Fees Reduce anticipated business revenue as a result of an expanded discount for facility rentals for qualified low income customers.	0	(50,000)	0.0	0.0
(DS_009) Evergreen Pool Operations Provide support to Whitewater Aquatics management to ensure continued operations of the Evergreen Pool in White Center. The operational assistance is funded by Parks business revenues in order to make recreation opportunities more accessible for all King County residents to enjoy.	80,000	0	0.0	0.0

**2019-2020 Executive Proposed Operating Budget  
PARKS AND RECREATION (EN\_A64000)**

Decision Package Adjustment Detail	Expenditures	Revenues	Reg FTE	TLT
(DS_120) Central Climate Change Costs Update Adjust the share of the central climate-related costs for 2019-2020; these costs include investments to advance the Strategic Climate Action Plan (SCAP), membership fees in climate related organizations, consulting fees, an update to the 2020 SCAP, as well as central staff to help agencies across the County with climate related activities. The allocation methodology is based on greenhouse gas emissions.	1,617	0	0.0	0.0
<b>Administrative Service Changes</b>				
(AC_001) Asset Management Program Manager Add one capital project manager to continue the development and ongoing administration of an asset management system for King County's 200 parks, 175 miles of regional trails, and 30,000 acres of open space. This position will be fully funded by the Asset Management capital project 1124055 in Parks Capital Fund 3581.	0	0	1.0	0.0
(AC_002) Communications and Record Management Specialists Add one communications specialist to provide graphics collateral for communicating with staff and the public, for example, information sheets on capital projects. Adds one term-limited record management specialist to address the backlog of digitizing paper records and create an organized system of parks records in order to quickly and efficiently respond to information requests from the public.	212,906	0	1.0	1.0
(AC_003) Professional Development Add resources to support employee development plans including training, conference registration fees, and professional certification.	25,000	0	0.0	0.0
(AC_004) Assistant Operations Manager and Succession Development Add one assistant operations manager to strengthen leadership of the operations section. Also adds resources to allow the overlap of staff who are preparing for retirement elsewhere in the agency in order to offer institutional insight and share experience.	181,634	0	1.0	0.0
(AC_005) Operations Section Positions Add one supervisor and one human resources analyst to the Operations section to improve management of workplace conflict and develop programs to create employment pathways for adults from traditionally under-represented/marginalized communities.	289,826	0	2.0	0.0
(AC_083) Department of Local Services Cost Allocation Fund the Department of Local Services (DLS) Director's Office based on the agency's operating expenditures in unincorporated King County.	4,816	0	0.0	0.0

**Technical Adjustments**

**2019-2020 Executive Proposed Operating Budget  
PARKS AND RECREATION (EN\_A64000)**

<b>Decision Package Adjustment Detail</b>	<b>Expenditures</b>	<b>Revenues</b>	<b>Reg FTE</b>	<b>TLT</b>
(TA_001) Utility Adjustments Adjust the budget authority for various utility accounts such as electricity, water/sewer, and natural gas based on historical usage and anticipated increases in rates for 2019-2020. Actual reductions are anticipated at the Weyerhaeuser King County Aquatic Center and the North Utility Trails Crew shop as a result of the recent installation of solar panels.	(148,688)	0	0.0	0.0
(TA_002) Other Technical Adjustments Increase budget authority for maintenance materials and contracts for professional services, in order to continue the same level of service to park users. Redistribute and add budget authority to align with projected and historical spending patterns including offsetting the expenditure budget for the existing capital project managers' salaries and benefits to represent their fully-loaded costs that are charged directly to capital projects.	(10,471)	0	0.0	0.0
(TA_003) Deputy Prosecuting Attorney for Parks Add funding for one deputy prosecuting attorney in the Prosecuting Attorney's Office Civil Division to be dedicated to the Parks and Recreation Division.	175,796	0	0.0	0.0
(TA_050) Revenue Adjustment Revise budgeted revenues to match current forecast, including facility user fees, entrepreneurial endeavors, and capital project reimbursement, as well as centrally loaded property tax revenues adjusted to the latest OEFA forecast.	0	1,308,440	0.0	0.0
(TA_100) Levy Expiration Adjustment Zero out baseline revenues and expenditures in 2020 to reflect the expiration of the 2014-2019 Parks, Open Space, and Trails Replacement Levy.	(46,272,540)	(44,445,884)	0.0	0.0
(TA_113) Vacancy Rate Adjustment Capture salary savings from employee turnover, without reducing the FTE authority, to increase the accuracy of labor budgeting for this appropriation unit and provide greater transparency.	(339,234)	0	0.0	0.0
<b>Central Rate Adjustments</b>	<b>1,124,948</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>
<b>Total Decision Package Adjustments</b>	<b>(43,313,258)</b>	<b>(43,187,444)</b>	<b>15.0</b>	<b>1.0</b>

**2019-2020 Proposed Financial Plan  
Parks and Recreation /000001451**

<b>Category</b>	<b>2017-2018 Estimated</b>	<b>2019-2020 Proposed Budget</b>	<b>2021-2022 Projected</b>	<b>2023-2024 Projected</b>
<b>Beginning Fund Balance</b>	<b>14,789,916</b>	<b>14,677,756</b>	<b>14,256,739</b>	<b>14,256,739</b>
<b>Revenues</b>				
2014-2019 Levy Proceeds (Transfer from A642)	70,716,255	37,555,644		
Business Revenue	11,510,874	5,882,421		
Capital Planning and Administration	2,113,144	1,695,000		
Levy Administration Fee	615,804	365,000		
Interest Earnings	306,348	150,000		
Delinquent 2008-2013 Levy Proceeds	6,899	-		
<b>Total Revenues</b>	<b>85,269,324</b>	<b>45,648,065</b>	<b>-</b>	<b>-</b>
<b>Expenditures</b>				
Parks Operations & Maintenance	(81,195,144)	(46,033,770)		
Capital Planning and Administration	(2,113,144)	(1,695,000)		
Community Partnerships & Grants	(1,873,196)	(1,004,234)		
WSU Cooperative / 4-H	(200,000)	(100,000)		
Vacancy Contra		339,234		
<b>Total Expenditures</b>	<b>(85,381,485)</b>	<b>(48,493,770)</b>	<b>-</b>	<b>-</b>
<b>Estimated Underexpenditures</b>		<b>2,424,689</b>		
<b>Other Fund Transactions</b>				
<b>Total Other Fund Transactions</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Ending Fund Balance</b>	<b>14,677,756</b>	<b>14,256,739</b>	<b>14,256,739</b>	<b>14,256,739</b>
<b>Reserves</b>				
Cash Flow Reserve	(10,672,686)	(12,123,443)	(12,123,443)	(12,123,443)
Future Funding Stabilization Reserve		(1,133,296)	(1,133,296)	(1,133,296)
Business Revenue Shortfall Reserve	(1,000,000)	(1,000,000)	(1,000,000)	(1,000,000)
<b>Total Reserves</b>	<b>(11,672,686)</b>	<b>(14,256,739)</b>	<b>(14,256,739)</b>	<b>(14,256,739)</b>
Reserve Shortfall	-	-	-	-
<b>Ending Undesignated Fund Balance</b>	<b>3,005,070</b>	<b>-</b>	<b>-</b>	<b>-</b>

**Financial Plan Notes**

All financial plans have the following assumptions, unless otherwise noted in below rows.

2017-2018 Estimated reflects the best estimate for the biennium.

2019-2020 Proposed Budget ties to Hyperion and matches 2019-2020 Estimated until 2019 actuals are available.

Outyear revenue and expenditure inflation assumptions are consistent with figures provided by PSB and/or OEFA.

Revenues Notes:

- The 2014-2019 King County Parks Levy expires at the end of 2019. No revenues or expenditures are shown past 2019. A supplemental will be transmitted once funding for 2020 is approved.

- Business revenue includes user fees and entrepreneurial efforts to support the park system and reduce the burden on taxpayers. The annual target grows by 3% each year.

- Capital planning and administration is reimbursement from capital project 1126266 in Parks Capital Fund 3581 for staff and resources that support the capital program in general but are not charged to a specific project. This amount has changed over time as more staff begin to charge their time directly to capital projects to better capture the full cost of the capital program in real time.

-Total revenues shown on this financial plan are correct. They are \$56,259 less than what's shown in hyperion due to a late update to the OEFA forecast.

Expenditure Notes:

- Parks transfers up to \$100,000 each year, on a reimbursement basis, to the Washington State University Cooperative Extension in order to operate the 4-H program in King County.

- The estimated underexpenditure in 2019 is 5% of the total budget based on historical spending patterns and expenditure targets.

Reserve Notes:

- The Cash Flow Reserve is set to three-months of budgeted expenditures, in compliance with Motion 13764, because the main revenue for this fund is a property tax which is collected in the second quarter of each year. This reserve stabilizes the fund's cash balance from dipping below zero before the property tax payments are made in April and October.

- The Future Funding Stabilization Reserve sets aside additional fund balance to buffer against a large rate increase for the next funding term.

- The Business Revenue Shortfall Reserve sets aside additional fund balance in the event business revenues do not meet the annual target.

This plan was updated by H Burn and J Lehman on August 27, 2018.

**2019-2020 Executive Proposed Operating Budget  
PARKS OPEN SPACE AND TRAILS LEVY (EN\_A64200)**

<b>Operating Budget Summary</b>	<b>Expenditures</b>	<b>Revenues</b>	<b>Reg FTE</b>	<b>TLT</b>
<b>2017-2018 Revised Budget</b>	<b>143,658,271</b>	<b>142,668,675</b>	<b>0.0</b>	<b>0.0</b>
Base Budget Adjustments	1,325,879	2,893,393	0.0	0.0
Decision Package Adjustments	(67,709,163)	(68,287,081)	0.0	0.0
<b>2019-2020 Executive Proposed Budget</b>	<b>77,274,987</b>	<b>77,274,987</b>	<b>0.0</b>	<b>0.0</b>
<b>2019-2020 Executive Proposed Ordinance</b>	<b>77,275,000</b>	<b>77,275,000</b>	<b>0.0</b>	<b>0.0</b>

**Notes**

1. The 2017-2018 Revised Budget equals the 2017-2018 Adopted Biennial Budget plus all Adopted Supplementals as of the publication of this document.

2. Adjust base budget to remove one-time changes, annualize supplemental changes, and increase personnel budgets to 2019-2020 rates. Personnel budgets reflect projected 2019-2020 salary and benefit rates, current position classifications, and step/merit increases.

3. The Executive Proposed Budget is the sum of the Revised Budget, Base Budget Adjustments, and Decision Package Adjustments. All FTEs / TLTs are rounded to the nearest 1/10th of a position and in some cases, rounded numbers may not add up to the FTE/TLT totals in Executive Proposed. In the Executive Proposed Ordinance, expenditure and revenue totals are rounded up to the nearest 1,000 and FTEs and TLTs are rounded up to the maximum monthly FTEs / TLTs in the Biennium.

<b>Decision Package Adjustment Detail</b>	<b>Expenditures</b>	<b>Revenues</b>	<b>Reg FTE</b>	<b>TLT</b>
<b>Technical Adjustments</b>				
(TA_001) 2019 Levy Distribution Update expenditure accounts to distribute the last year of proceeds from the 2014-2019 the King County Parks, Open Space, and Trails Replacement Levy.	4,782,393	0	0.0	0.0
(TA_050) Revenue Adjustment Revise budgeted revenues to match current forecast, including the centrally-loaded property tax revenues consistent with the latest OEFA forecast.	0	4,493,953	0.0	0.0
(TA_100) Levy Expiration Adjustment Zero out revenues and expenditures in 2020 to reflect the expiration of the 2014-2019 Parks, Open Space, and Trails Replacement Levy.	(72,492,075)	(72,781,034)	0.0	0.0
<b>Central Rate Adjustments</b>	519	0	0.0	0.0
<b>Total Decision Package Adjustments</b>	<b>(67,709,163)</b>	<b>(68,287,081)</b>	<b>0.0</b>	<b>0.0</b>

**2019-2020 Proposed Financial Plan  
Parks, Open Space, and Trails Replacement Levy / 000001453**

<b>Category</b>	<b>2017-2018 Estimated</b>	<b>2019-2020 Proposed</b>	<b>2021-2022 Projected</b>	<b>2023-2024 Projected</b>
<b>Beginning Fund Balance</b>	<b>1,285,121</b>	<b>1,848,427</b>	-	-
<b>Revenues</b>				
King County Parks Levy Proceeds	144,073,165	77,224,987	-	-
Interest Earnings, Other Miscellaneous	148,412	50,000	-	-
<b>Total Revenues</b>	<b>144,221,577</b>	<b>77,274,987</b>	-	-
<b>Expenditures</b>				
King County Parks Operating Fund	(69,817,702)	(37,555,644)	-	-
King County Parks Capital Fund	(53,191,195)	(28,611,837)	-	-
Cities within King County	(9,955,487)	(5,355,157)	-	-
Woodland Park Zoo	(10,005,767)	(5,382,203)	-	-
Levy Administration	(688,120)	(370,147)	-	-
<b>Total Expenditures</b>	<b>(143,658,271)</b>	<b>(77,274,987)</b>	-	-
<b>Estimated Underexpenditures</b>				
<b>Other Fund Transactions</b>				
Potential Supplemental Distribution		(1,743,874)		
<b>Total Other Fund Transactions</b>		<b>(1,743,874)</b>	-	-
<b>Ending Fund Balance</b>	<b>1,848,427</b>	<b>104,553</b>	-	-
<b>Reserves</b>				
<b>Total Reserves</b>	-	-	-	-
Reserve Shortfall	-	-	-	-
<b>Ending Undesignated Fund Balance</b>	<b>1,848,427</b>	<b>104,553</b>	-	-

**Financial Plan Notes**

All financial plans have the following assumptions, unless otherwise noted in below rows.

2017-2018 Estimated reflects the best estimate for the biennium.

2019-2020 Proposed Budget ties to Hyperion and matches 2019-2020 Estimated until 2019 actuals are available.

Outyear revenue and expenditure inflation assumptions are consistent with figures provided by PSB and/or OEFA.

Revenues Notes:

- Revenues are based on the August 2018 OEFA forecast for the King County Parks Levy which expires at the end of 2019. No revenues are assumed beyond 2019.

Expenditure Notes:

- Expenditures are allocated to the various organizations based on the levy's enacting ordinance #17568 and the levy model.

King County Parks operations including 1.6% for open space stewardship - 48.60%

King County Parks capital program net admin fee 37.03%

King County Cities net admin fee - 6.93%

Woodland Park Zoo net admin fee - 6.97%

Administration fee for Parks capital, Cities, and the Zoo - 0.4475%

- Expenditures are shown through the end of 2019. No expenditures are assumed beyond that date.

- Levy administration fee is a percentage deducted from the distributions to the Capital Program, Cities, and Woodland Park administering the levy on their behalf including central county rates charged to fund 1453 and the associated costs of convening the Citizens' Oversight Board.

Reserve Notes:

- The purpose of this fund is to distribute levy proceeds to various organizations. There are no reserves for this fund.

This plan was updated by J Lehman on August 24, 2018.

**2019-2020 Executive Proposed Operating Budget  
YOUTH AMATEUR SPORTS (EN\_A35500)**

<b>Operating Budget Summary</b>	<b>Expenditures</b>	<b>Revenues</b>	<b>Reg FTE</b>	<b>TLT</b>
<b>2017-2018 Revised Budget</b>	<b>19,946,031</b>	<b>19,157,745</b>	<b>5.0</b>	<b>3.0</b>
Base Budget Adjustments	(11,150,748)	(10,923,641)	3.0	(3.0)
Decision Package Adjustments	562,437	487,156	(5.0)	0.0
<b>2019-2020 Executive Proposed Budget</b>	<b>9,357,720</b>	<b>8,721,260</b>	<b>3.0</b>	<b>0.0</b>
<b>2019-2020 Executive Proposed Ordinance</b>	<b>9,358,000</b>	<b>8,722,000</b>	<b>3.0</b>	<b>0.0</b>

**Notes**

1. The 2017-2018 Revised Budget equals the 2017-2018 Adopted Biennial Budget plus all Adopted Supplementals as of the publication of this document.
2. Adjust base budget to remove one-time changes, annualize supplemental changes, and increase personnel budgets to 2019-2020 rates. Personnel budgets reflect projected 2019-2020 salary and benefit rates, current position classifications, and step/merit increases.
3. The Executive Proposed Budget is the sum of the Revised Budget, Base Budget Adjustments, and Decision Package Adjustments. All FTEs / TLTs are rounded to the nearest 1/10th of a position and in some cases, rounded numbers may not add up to the FTE/TLT totals in Executive Proposed. In the Executive Proposed Ordinance, expenditure and revenue totals are rounded up to the nearest 1,000 and FTEs and TLTs are rounded up to the maximum monthly FTEs / TLTs in the Biennium.

<b>Decision Package Adjustment Detail</b>	<b>Expenditures</b>	<b>Revenues</b>	<b>Reg FTE</b>	<b>TLT</b>
<b>Direct Service Changes</b>				
(DS_001) YASF Competitive Grant Programming Update budget authority to reflect the 2019-2020 Youth and Amateur Sports' competitive grant programming and continues the funding for the Get Active, Stay Active grant program at current levels. Competitive grants will be available in two categories: 1) Health & Safety grants that target youth programs and facilities with an emphasis on safety (up to 50 percent of programmable funds), and 2) Outdoor Recreation grants that target programs and facilities focused on getting youth outside (up to 30 percent of programmable funds).	1,485,338	0	0.0	0.0
<b>Technical Adjustments</b>				
(TA_001) Program Administration Update line item accounts to match anticipated expenses for program administration in 2019-2020.	(245,380)	0	0.0	0.0
(TA_002) Position True-Up True-up the budgeted FTEs to match actual positions. The 2017-2018 Adopted Budget allowed authority for more FTEs than available budget.	0	0	(5.0)	0.0
(TA_050) Revenue Adjustment Revise budgeted revenues to match current forecast.	0	487,156	0.0	0.0

**2019-2020 Executive Proposed Operating Budget  
 YOUTH AMATEUR SPORTS (EN\_A35500)**

<b>Decision Package Adjustment Detail</b>	<b>Expenditures</b>	<b>Revenues</b>	<b>Reg FTE</b>	<b>TLT</b>
(TA_110) Net Zero Adjustments Net zero changes to reflect current spending patterns.	0	0	0.0	0.0
<b>Central Rate Adjustments</b>	(677,521)	0	0.0	0.0
<b>Total Decision Package Adjustments</b>	562,437	487,156	(5.0)	0.0

**2019-2020 Proposed Financial Plan  
Youth and Amateur Sports Fund/000001290 - 000001291**

	2017-2018 Estimated	2019-2020 Proposed	2021-2022 Projected	2023-2024 Projected
<b>Category</b>				
<b>Beginning Fund Balance</b>	<b>4,432,248</b>	<b>10,214,417</b>	<b>2,974,877</b>	<b>2,986,747</b>
<b>Revenues</b>				
Rental Car Sales Tax	8,155,235	8,521,260	8,806,153	9,077,073
Councilmanic Bond Proceeds	6,569,100	-	-	-
Fund Balance Transfer from Fund 8400	1,640,846	-	-	-
Interest Earnings, Other Miscellaneous	160,000	200,000	200,000	200,000
<b>Total Revenues</b>	<b>16,474,140</b>	<b>8,721,260</b>	<b>9,006,153</b>	<b>9,277,073</b>
<b>Expenditures</b>				
Competitive Grants Programs	(2,899,033)	(4,698,594)	(4,338,228)	(4,548,404)
Discretionary Grants Programs	(3,757,500)	(1,800,000)	(1,800,000)	(1,800,000)
Councilmanic Bond Grants	(3,036,000)	-	-	-
Estimated Debt Service for Bond(s)	(229,919)	(1,629,514)	(1,629,514)	(1,629,514)
Grant Administration	(769,520)	(1,229,612)	(1,291,095)	(1,355,649)
<b>Total Expenditures</b>	<b>(10,691,971)</b>	<b>(9,357,720)</b>	<b>(9,058,837)</b>	<b>(9,333,567)</b>
<b>Estimated Underexpenditures</b>		61,481	64,555	67,782
<b>Other Fund Transactions</b>				
Grant Awards Carried Forward from 2017-2018		(6,715,600)	-	-
<b>Total Other Fund Transactions</b>	-	<b>(6,715,600)</b>	-	-
<b>Ending Fund Balance</b>	<b>10,214,417</b>	<b>2,923,838</b>	<b>2,986,747</b>	<b>2,998,036</b>
<b>Reserves</b>				
Grant Awards to Carry Forward to 2019-2020	(6,715,600)	-	-	-
YSFG Endowment (Fund 1291)	(2,619,825)	(2,619,824)	(2,619,824)	(2,619,824)
Rainy Day Reserve (30 days)	(337,675)	(355,053)	(366,923)	(378,211)
<b>Total Reserves</b>	<b>(9,673,100)</b>	<b>(2,974,876)</b>	<b>(2,986,747)</b>	<b>(2,998,035)</b>
Reserve Shortfall	-	51,039	-	-
<b>Ending Undesignated Fund Balance</b>	<b>541,317</b>	-	-	-

**Financial Plan Notes**

All financial plans have the following assumptions, unless otherwise noted in below rows.

2017-2018 Estimated reflects the best estimate for the biennium, as of the Q2 2018 financial monitoring briefing.

2019-2020 Proposed Budget ties to Hyperion. 2019-2020 Estimated includes the grant awards carried forward from 2017-2018 Estimated.

Outyear revenue and expenditure inflation assumptions are consistent with figures provided by PSB and/or OEFA.

Revenues Notes:

- Rental Car Sales Tax: Beginning in 2017, this funds receives 100% of the special sales tax from vehicle rentals.

- Councilmanic Bond Proceeds: This represents the bond sold in 2018.

- Fund Balance Transfer from Fund 8400: After the final stadium debt service payment was made, excess fund balance was transferred to this fund.

- Interest Earnings include interest earnings from Fund 1290 as well as from the YSFG Endowment in Fund 1291.

Expenditure Notes:

- Competitive Grants Programs - For 2017-2028 Estimated, this includes grants identified in the 2017-2018 Adopted Budget under Expenditure Restrictions (ER) #1 through #4 of ordinance 18409, section 84. Going forward, this will include grants that require an application and review process.

- Discretionary Grants Programs - For 2017-2028 Estimated, includes grants identified in the 2017-2018 Adopted Budget under ERs #5 and #6 of ordinance 18409, section 84. Going forward, this will include grants that are a part of the Get Active, Stay Active grant program.

- Councilmanic Bond Grants: This includes grants identified in the 2017-2018 Adopted Budget under ER #7 of ordinance 18409, section 84. Of the total \$9 million in grants identified, a \$6.569 million bond will be sold in 2018 and the remaining \$2.43 million bond will be sold in 2019.

- Debt Service: This is the debt service on the councilmanic bond sold in 2018.

- Grant Administration: This includes the staffing, supplies, and software associated with managing the grant programs within this fund.

- Grants Carried Forward from 2017-2018: This is estimated carryover of budget authority for grants awarded in 2017-2018 but not reimbursed until 2019-2020.

The associated budget authority will be requested in the first supplemental of 2019.

Reserve Notes:

- Grant Awards to Carry Forward to 2019-2020: This reserves unspent fund balance committed to grant awarded in 2017-2018 but will be reimbursed in 2019-2020.

- YSFG Endowment (subfund 1291): The endowment was created as a result of various property sales in 2002 and 2008. The interest from the endowment automatically transfers to Fund 1290 to support ongoing grant programs.

- Rainy Day Reserve (30 days): The represents one twenty-fourth (1/24) of the proceeds from the Rental Car Sales Tax.

This plan was updated by J Lehman on June 27, 2018.

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Parks and Recreation, Fund: 3160 FMD-PARKS,REC,OPEN SPACE, Cap Status: Approved, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3160 FMD-PARKS,REC,OPEN SPACE - Parks and Recreation				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1039557	<b>PKS GREEN RIVER TRAIL</b> PROGRAMMATIC	✓	(\$1,130,023)	<b>Current Scope:</b> Green River Bridge - This project provides funding for design of the Green River Bridge. The Green River Bridge is a link in the Green River Trail between Kent and Auburn. <b>Budget Request Basis:</b> Disappropriate remaining balance.
1039583	<b>PKS AUDITOR CPO</b> ADMIN		\$15,544	<b>Current Scope:</b> Auditor Capital Project Oversight - Biennial allocation of Council Auditor Capital Project Oversight costs. <b>Budget Request Basis:</b> The amount is from PSB based on prior biennium actuals.
1039611	<b>PKS M:PARKS FACILITY REHAB</b> PROGRAMMATIC		\$3,470,906	<b>Current Scope:</b> Facility Rehabilitation - is an on-going program to design and implement capital investments and solutions to emerging time critical capital construction or major maintenance needs, ADA accessibility, and other recommendations identified in Major Maintenance Reserve Studies to optimize the life cycle of park assets throughout the county's parks system. <b>Budget Request Basis:</b> Budget request is based on past program needs adjusted to address rising design and construction costs in the region. It is also based on planning level engineer's estimates, past experience with previous similar projects and on past contractual commitments for design, permitting, engineering, and construction. High Priority 2019-2020 capital projects include, but are not limited to, the following: the program will design and implement capital investments and solutions to emerging major maintenance needs, ADA accessibility, continue work to complete recommendations from 2012 study, prioritize and begin to address new recommendations following completion of the updated study currently planned to be done under Asset Management System project (#1124055). This proposed budget request also includes disappropriation of \$185,000, Youth Athletic Sports Fund Grants awarded to the project for City of Sammamish and Si View Park District. The grants will be distributed directly to the City and District as the projects will be done by them.
1039826	<b>PKS EMER CONTING FUND 3160</b> PROGRAMMATIC	✓	(\$45,553)	<b>Current Scope:</b> Emergent Contingency for 3160 - The project provides major maintenance funding to protect previous investments in King County parks system in Fund 3160 Parks, Recreation and Open Space. <b>Budget Request Basis:</b> Disappropriate remaining balance. This budget request will consolidate like funds into a single project #1039611, PKS M:PARKS FACILITY REHAB.

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Parks and Recreation, Fund: 3160 FMD-PARKS,REC,OPEN SPACE, Cap Status: Approved, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3160 FMD-PARKS,REC,OPEN SPACE - Parks and Recreation				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1039848	<b>PKS M:CMMNTY PRTSHIP GRANT 316</b> PROGRAMMATIC		\$1,000,000	<p><b>Current Scope:</b> Community Partnership Grants - The Community Partnerships and Grants (CPG) Program provides funding for strategic partnerships that result in the development of new regional recreation facilities. The grants allow community based organizations to plan, design, permit, and construct recreation facilities on King County Parks land. This appropriation will fund those grants. The CPG program also handles the program management for these projects. CPG is an ongoing, annual program. It started in 2003.</p> <p><b>Budget Request Basis:</b> The amount requested is based on a recommendation from the King County Parks Levy Task Force, which provides direction of the voter-approved 2014-19 Parks, Trails and Open Space Replacement Levy. The proposed amount will provide funding for community based organizations to plan, design, permit, and construct recreation facilities on King County Parks land. CPG is an ongoing, annual program.</p>
1046228	<b>PKS ACQN EVALTNS MASTER</b> PROGRAMMATIC		\$200,000	<p><b>Current Scope:</b> Acquisition Evaluations Project - provides due diligence funding to evaluate and implement strategic open space acquisitions (either fee or easement).</p> <p><b>Budget Request Basis:</b> Budget is based on historic spending patterns and future projections.</p>
1121441	<b>PKS M:MAURY ISLAND SITE</b> PROGRAMMATIC		\$830,451	<p><b>Current Scope:</b> Maury Island Site - In coordination with the Washington Department of Ecology, under an Agreed Order develop and implement a Cleanup Action Plan for remediation of contaminated soils in the Maury Island Natural Area. The Maury Island Natural Area lies in the former Tacoma Smelter Plume and this, coupled with past land use history, has left the property with high levels of arsenic and lead in the soil.</p> <p><b>Budget Request Basis:</b> Budget is based on detailed Engineer's estimate, past experience with construction of a similar revegetation project in 2016, and on contractual commitments for design and engineering. The appropriation in the 2019-2020 budget will allow implementation of the next 3 to 4 acres of revegetation identified in the Cleanup Action Plan approved by Washington Department of Ecology. The budget request includes a disappropriation of \$169,549 for a funding gap between the grant spending authority in year 2014 and the actual grant awarded.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Parks and Recreation, Fund: 3160 FMD-PARKS,REC,OPEN SPACE, Cap Status: Approved, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3160 FMD-PARKS,REC,OPEN SPACE - Parks and Recreation				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1122161	<b>PKS CENTRAL MAINT FACILITY</b> STANDALONE		\$28,200,000	<p><b>Current Scope:</b> Central Maintenance Facility (Renton Shop) - includes acquisition, design and construction of new buildings with industrial shops, crew areas and operations administration, heavy equipment, vehicle, and materials storage as well as staff and fleet parking on the 5.7 acre site. Project additionally includes extension of new utilities from ROW and private road to the site as well as site distribution of those utilities. The project includes phased construction to allow the site to remain in operations during construction and includes demolition of the existing facilities once new areas are occupied.</p> <p><b>Budget Request Basis:</b> The budget request is based on a Class 3 Architect/Engineer's estimate prepared for project baseline, past experience with similar projects, and on contractual commitments for design and engineering. The estimate at completion has a range of costs between \$37.9-43.6 million. This appropriation request is for an additional \$28.2 million for a project total EAC of \$41,171,974 including previous appropriation of \$12.9 million.</p>
1129678	<b>PKS GRANT CONTINGENCY 3160</b> STANDALONE		\$350,000	<p><b>Current Scope:</b> Grant Contingency 3160 - This is a project to provide Parks with more flexibility on the budget side to deal with both anticipated and unanticipated future grant opportunities. The Grant Contingency request is being split between the two capital funds in Parks. A smaller portion of the Grant Contingency request is in Fund 3160 as compared to Fund 3581.</p> <p><b>Budget Request Basis:</b> The amount requested is based on grants that have either already been applied for or currently under consideration. Potential granting agencies include the Puget Sound Regional Council (PSRC), the State's Recreation &amp; Conservation Office (RCO), WADNR, King County Flood District, Land and Water Conservation Fund (LWCF), Washington State Department of Ecology (WSDOE), Washington State Department of Transportation (WSDOT), Bian Abbott Fish Barrier Removal Board, and the Cooperative Watershed Management (CWM).</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Parks and Recreation, Fund: 3160 FMD-PARKS,REC,OPEN SPACE, Cap Status: Approved, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3160 FMD-PARKS,REC,OPEN SPACE - Parks and Recreation				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1129686	PKS M:SMALL CAPITAL PROGRAMMATIC		\$4,266,000	<p><b>Current Scope:</b> The Small Capital Program - is an on-going program that funds emergent and time critical small capital construction or major maintenance project design and implementation with the use of in-house county forces. The legacy program is known as Small Contracts and is currently in Fund 3490, Parks Facility Rehab. The current plan is to complete remaining projects in Fund 3490 and add any new projects in the Small Capital program.</p> <p><b>Budget Request Basis:</b> Budget is based on Planning Level Engineer's Estimate, past experience, and costs associated with similar past contracts for design, engineering, permitting, and construction. This 2019-2020 capital appropriation request funds the design, permitting, and implementation of emergent priority small projects in the Park System. High Priority 2019-2020 capital projects include, but are not limited to, the following: high priority small drainage repair projects, ongoing ADA pathway accessibility improvement projects, demolitions, on-going electrical/mechanical/plumbing repairs and upgrades, preparation work for placement of prefabricated pit toilets, park system signage, reroofing projects, fencing, shelters, and kiosks, safety and security repairs and upgrades, gates, installation of survey monument and property boundary markers, and cultural resources survey.</p>
1130265	PKS PRESTON ATHLETIC FIELDS STANDALONE	✓	(\$50,000)	<p><b>Current Scope:</b> Preston Athletic Fields - This project funded the timely repair/replacement of synthetic turf at two fields at Preston Athletic Fields in partnership with the Eastside Football Club.</p> <p><b>Budget Request Basis:</b> Disappropriate remaining balance.</p>
<b>3160 - FMD-PARKS,REC,OPEN SPACE Total</b>			<b>\$37,107,325</b>	
<b>Grand Total</b>			<b>\$37,107,325</b>	

**2019-2020 Proposed Financial Plan  
Parks Open Space Construction/3160**

**Capital Improvement Program (CIP) Budget**

	2017-2018 Carryforward (YE ITD Balance) <sup>1</sup>	2019-2020 Proposed <sup>2</sup>	2019-2020 Total (Balance + Budget)	2021-2022 Projected <sup>3</sup>	2023-2024 Projected <sup>3</sup>
<b>Capital Budget Revenue Sources:</b>					
Fu Revenue Backing from Fund Balance	141,599	-	141,599		
Le Levy Proceeds from Fund 1453		-	-		
RE Real Estate Excise Tax (REET) I	8,278,056	1,258,332	9,536,389	1,900,000	3,700,000
RE REET II	5,272,726	11,943,000	17,215,726	8,875,000	12,490,000
Gr State and Federal Grants	896,490	185,000	1,081,490		
Bo Bond Proceeds <sup>7</sup>		23,900,000	23,900,000		
YA YASF Grant <sup>11</sup>	228,000	(185,000)	43,000		
Wt WSDOT Contribution		-	-		
mi Miscellaneous		5,993	5,993		
<b>Total Capital Revenue</b>	<b>\$ 14,816,871</b>	<b>\$ 37,107,325</b>	<b>\$ 51,924,196</b>	<b>\$ 10,775,000</b>	<b>\$ 16,190,000</b>
<b>Capital Appropriation:</b>					
Regional Trail System	(2,371,650)	1,130,021	(1,241,629)		
Regional Open Space Acquisition	(46,790)	(200,000)	(246,790)		
Critical Infrastructure and Major Maintenance	(11,058,094)	(36,902,355)	(47,960,449)	(10,775,000)	(16,190,000)
Community Partnerships and Grants (CPG)	(276,522)	(1,000,000)	(1,276,522)		
Grant Contingency	(255,249)	(350,000)	(605,249)		
Emergent Contingency	(45,553)	45,553	0		
Administration and Central Rates	(3,013)	(15,544)	(18,557)		
Critical Infrastructure - YASF Grant	(760,000)	185,000	(575,000)		
<i>Dissappropriations (positive)</i>		1,360,574	1,360,574		
<b>Total Capital Appropriation</b>	<b>\$ (14,816,871)</b>	<b>\$ (37,107,325)</b>	<b>\$ (51,924,196)</b>	<b>\$ (10,775,000)</b>	<b>\$ (16,190,000)</b>

**CIP Fund Financial Position**

	2017-2018 Biennial to Date Actuals <sup>4</sup>	2017-2018 Estimated <sup>5</sup>	2019-2020 Biennial to Date Actuals	2019-2020 Estimated <sup>6</sup>	2021-2022 Projected <sup>6</sup>	2023-2024 Projected <sup>6</sup>
<b>Beginning Fund Balance</b>	<b>(539,272)</b>	<b>(539,272)</b>		<b>724,688</b>	<b>7,637,766</b>	<b>7,437,766</b>
<b>Capital Funding Sources</b>						
Le Levy Proceeds from Fund 1453	-	-		-	-	-
RE Real Estate Excise Tax (REET) I	3,803,535	7,495,209		6,675,472	1,900,000	3,700,000
RE REET II	2,505,228	4,232,991		12,051,008	8,875,000	12,490,000
Gr State and Federal Grants	367,262	2,441,809		763,036		
Bo Bond Proceeds <sup>7</sup>	-	-		23,900,000	-	-
YA YASF Grant	-	532,000		43,000	-	-
Wt WSDOT Contribution	-	-		-	-	-
FR Fund to Reduce Energy Dependence (FRED)	-	-		-	-	-
mi Miscellaneous <sup>8</sup>	1,503,569	1,503,569		-	-	-
<b>Total Capital Revenue</b>	<b>\$ 8,179,594</b>	<b>\$ 16,205,578</b>	<b>\$ -</b>	<b>\$ 43,432,516</b>	<b>\$ 10,775,000</b>	<b>\$ 16,190,000</b>
<b>Capital Expenditures</b>						
Regional Trail System	(58,165)	(80,125)		(869,141)		
Regional Open Space Acquisition	(104,585)	(195,791)		(172,753)	(200,000)	(200,000)
Critical Infrastructure and Major Maintenance	(6,349,342)	(12,613,002)		(33,572,314)	(10,775,000)	(16,190,000)
Community Partnerships and Grants (CPG)	(167,352)	(812,571)		(893,565)		
Grant Contingency	-	(595,581)		(423,674)		
Emergent Contingency	-	-		0		
Administration and Central Rates	(2,517)	(9,548)		(12,990)		
Critical Infrastructure - YASF Grant	-	-		(575,000)		
<b>Total Capital Expenditures</b>	<b>\$ (6,681,961)</b>	<b>\$ (14,306,618)</b>	<b>\$ -</b>	<b>\$ (36,519,437)</b>	<b>\$ (10,975,000)</b>	<b>\$ (16,390,000)</b>
<b>Other Fund Transactions<sup>9</sup></b>						
Other General Ledger Expenses	2,729	(635,000)				
<b>Ending Fund Balance</b>	<b>\$ 961,089</b>	<b>\$ 724,688</b>	<b>\$ -</b>	<b>\$ 7,637,766</b>	<b>\$ 7,437,766</b>	<b>\$ 7,237,766</b>
<b>Fund Balance designated to current projects<sup>11</sup></b>	<b>\$ -</b>	<b>\$ (376,016)</b>	<b>\$ -</b>	<b>\$ (7,289,094)</b>	<b>\$ (7,089,094)</b>	<b>\$ (6,889,094)</b>
<b>Reserves</b>						
Grant Contingency						
Property Acquisition Reserve <sup>10</sup>	(961,089)	(348,672)		(348,672)	(348,672)	(348,672)
<b>Total Reserves</b>	<b>\$ (961,089)</b>	<b>\$ (348,672)</b>	<b>\$ -</b>	<b>\$ (348,672)</b>	<b>\$ (348,672)</b>	<b>\$ (348,672)</b>
Projected Shortfall	-	-		-	-	-
<b>Ending Undesignated Fund Balance</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ -</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**Financial Plan Notes**

<sup>1</sup> 2017-2018 Carryover reflects estimates of year end inception to date appropriation balances or actual balance as reported by GL10 report.

<sup>2</sup> 2019-2020 Proposed Budget summarizes the expenditure and revenue data from PIC and matches the CIP Attachment A.

<sup>3</sup> Out-year budget estimates are consistent with the March 2018 Office of Economic and Financial Analysis (OEFA) forecast for Real Estate Excise Taxes and the policy intent of the 2014-2019 Parks Levy that Real Estate Excise Taxes should be used to reduce the major maintenance backlog in the King County parks system.

This financial plan makes an assumption that only critical infrastructure and major maintenance would see expenditures in the outyears. This assumption is driven by the Parks Levy expiration in 2019.

<sup>4</sup> 2017-2018 Actuals reflects actual revenues and expenditures, using EBS report GL10 from BI Publisher. The beginning and ending fund balance are consistent with the fund balance reported by FBOD.

<sup>5</sup> 2017-2018 Estimated reflects updated estimates informed by the Division's spending target and corresponding reimbursement of project spending with Real Estate Excise Taxes and grant revenues.

<sup>6</sup> Out-year revenue and spending estimates are based on current revenue estimates and project spending target.

<sup>7</sup> Future bond proceeds will finance the construction of a new Central Maintenance Facility. This financial plan shows the bond sale in 2019-2020 biennium. Debt Service will be paid out of REET 2 fund (Fund 3682)

<sup>8</sup> Proceeds from sales of FMD Surplus property in Vashon (\$494K appropriated for Mukai); Peterson Lake Shop sale (\$351K); Issaquah parcel sale (\$636K).

<sup>9</sup> Other fund transactions include accounting adjustments to balance to budgetary fund balance. Proceeds from Issa Property (\$635K) is to be transferred to fund 3581 (acquisition project) upon a Council approval of 3rd omnibus in year 2018.

<sup>10</sup> Proceeds from sales of Peterson Lake Shop (\$351K) and sales of Issac parcel (\$635K) reserved for future purchase. In 2018, Parks decided to use the Issac proceeds (\$635K) for Open space Acquisition in fund 3581 (Refer to footnote #9).

<sup>11</sup> Fund balance designated to current projects is for projects that are already appropriated. This fund balance cannot be used for other projects without disappropriating projects or creating a shortfall in the fund

This plan was update by Myunghee Chung on 6/20/2018

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Parks and Recreation, Fund: 3581 PARKS CAPITAL, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3581 PARKS CAPITAL - Parks and Recreation				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1044590	<b>PKS BEAR CREEK WATERWAYS</b> STANDALONE		\$180,000	<b>Current Scope:</b> Bear Creek Waterways - This project seeks to acquire and do feasibility assessment for key parcels in two focus areas for the protection and conservation of riparian habitat, floodplain, and adjacent wetlands in the Bear Creek Basin and improve public access to new and existing King County park lands. <b>Budget Request Basis:</b> The budget request is based on market value of the target property and recommended by the Conservation Futures Tax (CFT) Committee.
1044591	<b>PKS BURKE GILMAN REGIONAL TRA</b> STANDALONE	✓	(\$4,195)	<b>Current Scope:</b> Burke Gilman Regional Trail - The project designs and constructs the King County portion of the Burke-Gilman Trail from NE 145th Street to Logboom Park to meet current regional trail standards. <b>Budget Request Basis:</b> The remaining balance. The project is a legacy project and completed.
1044592	<b>PKS CAPITAL PROJECT OVERSIGHT</b> ADMIN		\$10,000	<b>Current Scope:</b> Capital Project Oversight - Biennial allocation of Council Auditor Capital Project Oversight costs. <b>Budget Request Basis:</b> The amount is from PSB based on prior biennium actuals.
1044596	<b>PKS COUGAR MTN PRECIPICE TRL</b> STANDALONE		\$1,050,000	<b>Current Scope:</b> Cougar Mountain Precipice Trail - This project is to acquire 108 acres of undeveloped forested land adjacent to Cougar Mountain Regional Wildland Park for open space benefits, recreation and public access. <b>Budget Request Basis:</b> The budget request is based on market value of the target property and recommended by the Conservation Futures Tax (CFT) Committee.

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Parks and Recreation, Fund: 3581 PARKS CAPITAL, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3581 PARKS CAPITAL - Parks and Recreation				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1044600	PKS M:E Lake Samm Trail PROGRAMMATIC		\$9,292,000	<p><b>Current Scope:</b> East Lake Sammamish Trail (ELST) - The purpose of the ELST project is to design and construct an alternative non-motorized transportation corridor and a multi-use recreational trail along the former railroad corridor on the east side of Lake Sammamish.</p> <p><b>Budget Request Basis:</b> The requested budget is based on a detailed engineer's estimate, past experience with previous segments of the project, and on contractual commitments for design, permitting, and engineering. The legal cost budget is based on estimates from the PAO based on current anticipated project needs. This appropriation request seeks authority to fund a portion of the construction of a 1.03 mile portion of the 3.5-mile South Sammamish Segment B. The proposed portion of the project to be constructed is located between SE 33rd St. and Station B in the City of Sammamish. The 2019-2020 appropriation request also includes \$1.5 million in additional funds to support the litigation team in facing continued legal challenges to ownership of the corridor, removing built encroachments within Parks property, and other ongoing and emergent legal matters related to the project. The request also includes design money for revising the Inglewood parking lot design. Due to the high cost, the parking lot will be constructed into multiple sub-segments and the design needs to be adjusted accordingly.</p>
1044668	PKS FOOTHILLS REGIONAL TRAIL PROGRAMMATIC		\$4,545,000	<p><b>Current Scope:</b> Foothills Regional Trail - This project will connect the Foothills Trail system in Pierce County to the Foothills Trail in King County. The project has been segmented into two separate projects in order to meet environmental, safety and budget constraints. Segment A will leave from 252nd St. in Enumclaw at the existing terminus for the KC Foothills Trail. This segment will extend 0.8 mile to just south of the Boise Creek bridge. Segment B includes 0.3 miles of trail and includes a new bridge crossing the White River. It will begin at the Boise Creek bridge terminus and continue across Mud Mountain Road to the White River, including crossing of the river.</p> <p><b>Budget Request Basis:</b> The budget request is based on a detailed engineer's estimate, past experience with previous segments of the project, and on contractual commitments for design and engineering. This appropriation request funds the construction phase of Segment A and also includes additional design budget for Segment B which has a \$2.8 million RCO grant for the bridge over the White River (requires a grant match and completion by Dec. 2021). The project has been segmented into two separate projects in order to meet environmental, safety, and budget constraints.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Parks and Recreation, Fund: 3581 PARKS CAPITAL, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3581 PARKS CAPITAL - Parks and Recreation				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1044750	<b>PKS MITCHELL HILL DUTHIE</b> STANDALONE		\$275,000	<p><b>Current Scope:</b> Mitchell Hill Forest Additions - The goal of the Mitchell Hill Forest Additions project is to acquire up to 150 acres of forested open space that will connect King County's Mitchell Hill Forest with adjacent WADNR lands. The project area is part of Duthie Hill/Grand Ridge/Mitchell Hill/Preston Ridge forest complex. This area supports second growth forest that is important habitat for upland species, including black bear, cougar and approximately 80 species of resident birds.</p> <p><b>Budget Request Basis:</b> The budget request is basing on market value of the target property and recommended by the Conservation Futures Tax (CFT) Committee.</p>
1044756	<b>PKS PKS EXPANSION IMPLEMENTAT</b> STANDALONE	✓	(\$37,025)	<p><b>Current Scope:</b> Parks' Expansion Implementation - Provides staffing for program support and financial management of the Parks Open Space and Trails Levy.</p> <p><b>Budget Request Basis:</b> Disappropriate remaining balance. This budget request is a technical adjustment to reallocate the balance of a legacy project to a single project 1126266 PKS CPITAL PLAN ADM in Parks Capital Fund 3581. Consolidating the funding into one master project will improve efficiency and monitoring as a whole.</p>
1112621	<b>PKS South County Regional Trail</b> PROGRAMMATIC		\$10,379,270	<p><b>Current Scope:</b> The South County Regional Trail Program (Lake to Sound Trail) - funds a multi-jurisdiction, multiple segment trail that extends 16 miles from the mouth of the Cedar River at Lake Washington in Renton to Des Moines Beach Park on Puget Sound. This type of multijurisdictional trail requires years of coordination and advanced planning. Segments of the trail will advance on individual timelines. From a design and implementation perspective, it is advantageous to have one segment going into construction, while another segment is in Final Design, and yet another is in Preliminary Design.</p> <p><b>Budget Request Basis:</b> This budget request is based on past program needs adjusted to address rising design and construction costs in the region. Program budget in this 2019-2020 appropriation is a consolidation of the individual budgets for project segments. Budget for individual project segments are based on either planning level or a detailed engineer's estimate, past experience with previous similar projects, and on recent contractual commitments for design and engineering. The 2019-2020 funding request for this MPA project advances Segment C from Final Design into Construction while continuing the preliminary design for both segments D and E. Segments D &amp; E are contiguous and while it is not currently the plan to construct them at the same time, there are cost savings by undertaking the Phase 2 work concurrently.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Parks and Recreation, Fund: 3581 PARKS CAPITAL, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3581 PARKS CAPITAL - Parks and Recreation				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1114770	<b>PKS SOOS CREEK REGIONAL PARK</b> STANDALONE		\$250,000	<p><b>Current Scope:</b> Soos Creek Regional Park - This project builds on a 2013 acquisition feasibility study to acquire lands for the southward extension of Soos Creek Park and Trail and awards made for properties along Soos Creek.</p> <p><b>Budget Request Basis:</b> The budget request is based on market value of the target property and recommended by the Conservation Futures Tax (CFT) Committee.</p>
1120085	<b>PKS M:GREEN2CEDAR RIVER TRAIL</b> PROGRAMMATIC		(\$3,979,900)	<p><b>Current Scope:</b> Green2Cedar Trail -- This master program funds multiple segments including preliminary design, final design, and implementation of the Green to Cedar (G2C) Rivers Trail, an 11 mile regional trail corridor in South King County linking Renton to Black Diamond. Portions of the corridor are currently developed as a soft-surface trail and other sections in the south end are undeveloped, forested open space. The proposed trail development project will create a regional trail in accordance with Parks Regional Trail Standard and is currently divided into two segments: the G2C North Segment runs three miles from the existing Cedar River Trail to Kent Kangley Road in Maple Valley; the G2C South Segment is eight miles from Kent Kangley Road to the Green River south of Black Diamond.</p> <p><b>Budget Request Basis:</b> This 2019-2020 budget appropriation redistributes construction funding to other projects; thus providing enough funding to construct one trail project ready to construct. Final design will progress on this trail and permitting will be undertaken to prepare for future construction funding that is adequate to build a portion of this trail. Additional segmentation of the G2C North Segment may be considered to create a fundable construction segment for the future biennium.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Parks and Recreation, Fund: 3581 PARKS CAPITAL, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3581 PARKS CAPITAL - Parks and Recreation				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1121155	PKS M:EASTSIDE RAIL CORR (ERC) PROGRAMMATIC		\$8,585,000	<p><b>Current Scope:</b> The Eastside Rail Corridor Trail - is a phased capital program that will construct approximately 16 miles of paved shared use path connecting Renton, Bellevue, Kirkland, Woodinville, and Redmond. In addition to connecting communities, the trail will also connect existing regional trails including the I-90 Trail, SR 520 Trail, Sammamish River Trail, Cedar River Trail, and Lake to Sound trail. The overall program includes rehabilitation of several major structures including the Wilburton Trestle, a new bridge over NE 8th St. in Bellevue, Wilburton "Gap" by Washington State Department of Transportation (WSDOT) which includes a new bridge over I-405 with partial funding support by KC, and renovation of a steel railroad bridge over I-90. As part of its phased implementation, portions of the trail will be constructed as interim (soft surface) trail to support limited use until funding for full construction is available.</p> <p><b>Budget Request Basis:</b> Budget is based on estimates developed for the WSDOT I-405 design-build RFP and supplemented to include County expenses for construction period services. Legal and emergent costs are based on input from PAO and in house engineering. In combination with budget from the WSDOT I-405 Renton to Bellevue project, this appropriation will complete construction of the Wilburton "Gap" bridge over I-405 along with associated connecting trail, and construct 2 miles of paved trail along the Eastside Rail Corridor between Coal Creek Parkway and Ripley Lane. This appropriation also adds additional funding to support ongoing emergent trail issues and trail related legal services for the Eastside Rail Corridor program.</p>
1121444	PKS M:STEVE COX MEMORIAL PARK PROGRAMMATIC		\$300,000	<p><b>Current Scope:</b> Steve Cox Memorial Park - This master program funds priority and emergent capital projects to address priority capital rehabilitation needs, major maintenance, repair and safety needs at Steve Cox Memorial Park.</p> <p><b>Budget Request Basis:</b> Budget is based on Planning Level Engineer's Estimate, past experience and costs associated with past contracts for design, engineering, and construction. The 2019-2020 capital appropriation for this master program funds continued identification, planning, design, engineering, permitting, and construction of priority and emergent projects to address priority capital rehabilitation needs, major maintenance, repair and safety needs at Steve Cox Memorial Park. The planned capital asset improvements funded by this 2019-2020 appropriation at Steve Cox Memorial Park include, but are not limited to, the following currently identified needs: major rehab and/or replacement of stadium ballfield infield synthetic turf, shower room ventilation, picnic shelter, flagpole, repair, upgrade lawn area drainage east of play area, replacement of missing stones on reflexology path and other minor improvements are planned. The appropriation also funds emergent issues that arise within the park that need to be promptly addressed.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Parks and Recreation, Fund: 3581 PARKS CAPITAL, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3581 PARKS CAPITAL - Parks and Recreation				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1121445	<b>PKS M:NEWAUKUM/BIG SPRING CRK</b> STANDALONE		\$225,000	<p><b>Current Scope:</b> Newaukum and Big Spring Creeks - This project is ongoing restoration work in the basin: the major CIP work on Big Spring Creek and the small-scale plantings and restoration which have planted &gt;200,000 trees along Big Spring and Newaukum Creeks since 2007. Building the size of this natural area expands public land where beaver can recolonize sites and act as agents for restoration, thereby potentially reducing future drainage complaints on private lands.</p> <p><b>Budget Request Basis:</b> The budget request is based on market value of the target property and recommended by the Conservation Futures Tax (CFT) Committee.</p>
1121455	<b>PKS M:RTS MOBILITY CONNECTIONS</b> PROGRAMMATIC		\$2,930,729	<p><b>Current Scope:</b> Regional Trail System (RTS) Mobility Connections (MCs) - are defined in the Regional Trail System Network Vision (2012) as connections from existing and planned regional trails to important destinations - transit centers, city centers, and other important locations. This master program will investigate the feasibility of designing and implementing these bicycle and pedestrian links within King County's urban areas and, where appropriate, will partner with other public agencies to design and construct them. These connections are envisioned as new urban trails, on-road bike/pedestrian facilities, or other innovative approaches to extend the safety and mobility benefits of the regional trails to urban destinations. These connections will increase use, enhance multimodal transportation and urban center connectivity within the region. The master program will fund the planning and engineering investigation of the feasibility of various connections using available rights-of-way, in conjunction with local city staff. Coordination with local agencies to design and construct these types of connections will be an ongoing priority project activity.</p> <p><b>Budget Request Basis:</b> Budget is based on Sound Transit's detailed Engineer's Estimate, past experience with previous segments of the project and on past contractual commitments for design and engineering of similar project connections. This 2019-2020 appropriation will fund the following high priority mobility connection: compensate Sound Transit for design and construction of a trail connection between four essential public transportation facilities near and under SR520 in Redmond. The trail connection will connect East Lake Sammamish Trail (ELST), the new Sound Transit Marymoor Station, the Redmond Central Connector, and the Bear Creek Trail and increase mobility between these essential facilities.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Parks and Recreation, Fund: 3581 PARKS CAPITAL, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3581 PARKS CAPITAL - Parks and Recreation				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1121497	<b>PKS M:AQUATIC CENTER</b> PROGRAMMATIC		\$600,000	<p><b>Current Scope:</b> The King County Aquatic Center (KCAC) - was built in 1989 to host the Seattle Goodwill Games in 1990. The complex consists of two main buildings, the Aquatic Center (which includes a dive pool, a competition pool, a recreational pool and associated support spaces including offices, locker rooms and mechanical rooms) and Banquet Hall (built in 1997), plus three paved parking lots surrounding the buildings. This master program would fund priority and emergent capital projects to address priority capital rehabilitation needs, major maintenance, repair and safety needs at the KCAC.</p> <p><b>Budget Request Basis:</b> The 2019-2020 capital appropriation for this master program funds continued identification, planning, design, engineering, permitting, and construction of priority and emergent projects to address priority capital rehabilitation needs, major maintenance, repair and safety needs at Weyerhaeuser King County Aquatic Center (WKCAC). The planned asset improvement projects funded by this 2019-2020 appropriation at WKCAC include, but are not limited to, the following: priority emergent issues when they arise, fund the design and replacement of existing large skylights at WKCAC.</p>
1121498	<b>PKS M:PLAYAREA REHAB</b> PROGRAMMATIC		\$600,000	<p><b>Current Scope:</b> Play Area Rehabilitation Program - The project will fund the removal, rehabilitation, and upgrade of play structures and safety surfacing at regional, rural and UGA parks throughout the King County Parks system, as needed for safety. Depending on the current condition of a play area, rehabilitation will vary from full replacement of equipment and safety surfacing for some play areas, to partial equipment or surfacing replacement in other areas.</p> <p><b>Budget Request Basis:</b> Budget is based on detailed Engineer's Estimate, past experience with similar project and on contractual commitments for design and engineering. Carryover from 2018 will be used to finish the rehabilitation of the Skyway Play Area. In 2019, Both 2-5 year old and 5-12 year old play areas in Petrovitsky Park will be rehabilitated. No play area rehabilitations are scheduled for 2020 under current budget proposal. Play area rehabilitations to be completed in 2021 to 2024 include Marymoor North 5-12 year area, Boulevard Lane 5-12 year area, Maplewood, 5 to 12 year area, Dockton 5 to 12 year area, and Big Finn Hill Climbing Net. Depending on size of the approved budget appropriations and future cost increases for design and construction of play areas, partial rehabilitations may also be undertaken at Preston Athletic Fields, Marymoor North 2 to 5 year area, and Cottage Lake.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Parks and Recreation, Fund: 3581 PARKS CAPITAL, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3581 PARKS CAPITAL - Parks and Recreation				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1121499	<b>PKS M:BRIDGE&amp;TRESTLE PROGRAM</b> PROGRAMMATIC		\$1,750,000	<p><b>Current Scope:</b> The Bridge and Trestle Program - The Bridge and Trestle master program is an ongoing effort to inspect, enhance, repair and replace (as needed) the bridge and trestle structures associated with King County Parks' Regional Trails System.</p> <p><b>Budget Request Basis:</b> The amount requested for the master program in this 2019-2020 appropriation request comes from the overall 6 year CIP program for bridges and trestles. This request is comprised of numerous subprojects that continue the fulfillment of commitments that were made in the Parks Levy. Individual project budgets are based on detailed Engineer's Estimates, past experience with previous similar bridge projects and on recent contractual commitments for design and engineering. The 2019-2020 appropriation request for the master program includes but is not limited to funding for the following: responding to emergent priority bridge issues that arise, program administration, inspections, load ratings, and small repairs. This project also funds the rehabilitation of the Coal Creek Bridges (45', 70') and Trestle (135') on the new Eastside Regional Corridor (ERC).</p>
1121500	<b>PKS M:REG TRL SURFACE IMPR</b> PROGRAMMATIC		\$1,500,000	<p><b>Current Scope:</b> Regional Trail Surface Program - This program will identify, design, engineer, permit, and implement emergency repairs, major maintenance, and rehabilitate soft surface and paved trails including trail appurtenances (drainage under surfacing, pathways to trail parking and rest areas) throughout the Regional Trails System (RTS). This program work will include major resurfacing and repairs that exceed normal maintenance and will allow the Division to respond to emergency surface repairs or unforeseen trail issues as they occur to ensure trail usability and safety.</p> <p><b>Budget Request Basis:</b> Budget is based on Planning Level Engineer's Estimate, past experience and costs associated with past contracts for design, engineering, and construction. This appropriation request will fund for asphalt overlays of long trail segments and extend the trail lifetime for an additional 10-15 years.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Parks and Recreation, Fund: 3581 PARKS CAPITAL, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3581 PARKS CAPITAL - Parks and Recreation				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1121501	<b>PKS M:DOCK REHAB PROGRAM</b> PROGRAMMATIC		\$500,000	<p><b>Current Scope:</b> The Dock Rehabilitation Program - is a master program that is an ongoing effort to inspect, repair and/or replace (as needed) existing dock structures associated with the King County Parks System.</p> <p><b>Budget Request Basis:</b> Budget request is based on past program needs adjusted to address rising design and construction costs in the region. Program budget in this appropriation is a consolidation of the individual budgets for project segments. Budget for individual project segments are based on either planning level or detailed Engineer's Estimate, past experience with previous similar project and on recent contractual commitments for design and engineering. The 2019-2020 appropriation request for the master program includes but is not limited to funding for the following: responding to emergent priority issues at docks that arise, program administration, inspections, and small repairs. This project also funds the replacement of portions of the Dockton Park dock facility located on Vashon Island. Remaining funds will also be used to study the needed repairs, removal or replacement of the piles at this dock and also the Tramp Harbor dock located on Vashon Island as required by Washington State Department of Natural Resources in the aquatic lease issued for continued use of the dock facility.</p>
1123893	<b>PKS M: RSTRM REHAB &amp; RPLMNT</b> PROGRAMMATIC		\$1,000,000	<p><b>Current Scope:</b> Restroom Rehabilitation and Replacement - This project will assess, evaluate, rehabilitate, enhance, and/or replace existing aging park restroom facilities throughout King County's park system in order to ensure they remain usable, functional and open for public and staff use.</p> <p><b>Budget Request Basis:</b> Budget is based on detailed Engineer's Estimate, past experience with previous similar projects for design, engineering, permitting, and construction. The 2019-2020 appropriation will be used to fund design, engineering, permitting and construction of emerging priority restroom issues, replace the restroom at Coalfield Park, rehab and/or replace the restroom at Five Mile Lake. Other high priority restroom projects identified for upcoming 6-Year CIP include but are not limited to the following: Dockton Park, Tolt McDonald Park, Dick Thurnau Park, Sammamish River Trail at Northshore, Redmond Ridge and some of those in Marymoor Park.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Parks and Recreation, Fund: 3581 PARKS CAPITAL, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3581 PARKS CAPITAL - Parks and Recreation				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1123894	<b>PKS M: PK LOT &amp; PTHWY RHB</b> PROGRAMMATIC		\$1,000,000	<p><b>Current Scope:</b> The Parking Lot and Pathway Rehabilitation Program - funds emergent parking lot or pathway repairs, rehabilitation of existing parking lots and pathways, as well as, design, engineering, permitting and implementation of parking lot improvement and pavement conversion projects in high priority locations within King County's Parks system.</p> <p><b>Budget Request Basis:</b> Budget is based on Planning Level Engineer's Estimate, past experience and costs associated with past contracts for design, engineering, and construction. This 2019-2020 capital appropriation funds emergent pavement repairs, parking lot and pathway rehabilitation, and improvements at high priority locations. It allows the Division to bring parking lots and pathways up to current design and safety standards. Major elements of the program include pathway ADA accessibility within parking lots, sub-base repair, paving, tree removal, parking lot drainage improvements, and installation of root barrier as needed.</p>
1123896	<b>PKS M: DRNGE/SWR/WTR SYSTEM RHB</b> PROGRAMMATIC		\$1,600,000	<p><b>Current Scope:</b> Utility System Rehabilitation Program - This project will assess, evaluate, rehabilitate and/or replace existing underground and aerial utility systems (drainage, electrical, communication, water, and sewer) serving park buildings and facilities in order to ensure the continued operation of facilities, as well as, the safety of the public and staff.</p> <p><b>Budget Request Basis:</b> Budget is based on Planning Level Engineer's Estimate, past experience and costs associated with past contracts for design, engineering, and construction. High priority projects in this 2019-2020 capital appropriation request include capital investments in replacement of failing culverts in the Parks System and additional emerging utility system priorities which are identified during the biennium.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Parks and Recreation, Fund: 3581 PARKS CAPITAL, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3581 PARKS CAPITAL - Parks and Recreation				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1123925	PKS M:EMERALD NCKLCE TR STANDALONE		\$50,000	<p><b>Current Scope:</b> Emerald Necklace Trail - This grant request would provide for some early feasibility work (appraisals and title work) to be completed to support acquisition of parcels in fee or easement within the Patterson Creek Basin that would both serve as an addition to the County's Soaring Eagle Park and address some crucial missing links associated with the proposed "Emerald Necklace", an inter-jurisdictional effort to create a continuous 28-mile trail encircling the Sammamish Plateau within, and adjacent to, the City of Sammamish. This proposed trail project would connect to many local/community trails currently located on public lands within the vicinity and the regional trails that surround Sammamish. Approximately 80% of the proposed Emerald Necklace trail is already in place.</p> <p><b>Budget Request Basis:</b> The budget request is based on estimates for early due diligence work provided by Water and Land Resource (WLR) Open Space Acquisitions staff and as recommended by the Conservation Futures Tax (CFT) Committee. This project would allow feasibility work to support acquisition of multiple key "missing link" parcels located in the proposed Emerald Necklace Corridor as described above.</p>
1123996	PKS M: MARYMOOR PARK PROGRAMMATIC		\$3,000,000	<p><b>Current Scope:</b> Marymoor Park Program - This master program would fund priority and emergent projects to address priority capital rehabilitation needs, major maintenance, repair and safety needs at Marymoor Park.</p> <p><b>Budget Request Basis:</b> Budget is based on Planning Level Engineer's Estimate, past experience and costs associated with past contracts for design, engineering, and construction. The 2019-2020 proposed capital appropriation for this master program funds continued identification, planning, design, engineering, permitting, and construction of priority and emergent projects to address priority capital rehabilitation needs, major maintenance, repair and safety needs at Marymoor Park. The planned asset improvement projects funded by this 2019-2020 appropriation at Marymoor Park include, but are not limited to, the following: synthetic turf field surface replacement, a variety of infrastructure issues at Clise Mansion, Cottage interior remodeling, improvements to North Utility building, picnic shelter upgrades, pathway improvements, and pedestrian lighting at parking lots.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Parks and Recreation, Fund: 3581 PARKS CAPITAL, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3581 PARKS CAPITAL - Parks and Recreation				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1124055	<b>PKS:ASSET MGT SYS</b> STANDALONE		\$830,000	<p><b>Current Scope:</b> Asset Management System - This is a project to customize and setup a Parks Asset Management System using Lucity Software. It also includes ongoing collection of asset data, conducting inspections to update existing asset data, software licensing fees, and labor to maintain/operate the software system once implemented. The project also proposes to develop a prioritization algorithm for identified asset deficiencies and their repair or replacement.</p> <p><b>Budget Request Basis:</b> The budget request is based on the Project Manager's estimate of labor and other equipment costs to collect, input, maintain, and analyze data as well as anticipated software licensing fees. The 2019-2020 appropriation request will allow the division to complete the implementation of the Parks Asset Management System using Lucity Software. It will also pay for the costs associated with collecting, updating, and maintaining data in the system.</p>
1126266	<b>PKS CAPITAL PLANNING AND ADMINISTRATION</b> ADMIN		\$3,531,025	<p><b>Current Scope:</b> Capital Planning Administration - This project provides funding for the continuation of the support, planning, development, and stewardship of King County Parks capital projects.</p> <p><b>Budget Request Basis:</b> The amount requested is calculated based on previous actuals including software and side-system license fees and anticipated labor costs (the software referenced here is Unifier, Parks' capital project management system).</p>
1127071	<b>PKS COLD/COTTAGE LAKE CREEK</b> STANDALONE		\$96,500	<p><b>Current Scope:</b> Cottage Lake Creek - This project is to acquire and protect significant open space lands along Cottage Lake Creek, an important salmon bearing stream.</p> <p><b>Budget Request Basis:</b> The budget request is based on market value of the target property and recommended by the Conservation Futures Tax (CFT) Committee. This project will acquire a property on the Nicholls property along Cottage Lake Creek. They own ~ 11 parcels totaling 35 acres.</p>
1127075	<b>PKS LOWER NEWAUKUM CRK</b> STANDALONE		\$250,000	<p><b>Current Scope:</b> Lower Newaukum Creek - This project will acquire additional natural areas along the Green River. The Lower Newaukum Creek project has a goal of acquiring and protecting habitat in the lower Newaukum Creek basin and at the creek's confluence with the Green River near Whitney Bridge Park, south of Black Diamond.</p> <p><b>Budget Request Basis:</b> The budget request is based on market value of the target property and recommended by the Conservation Futures Tax (CFT) Committee.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Parks and Recreation, Fund: 3581 PARKS CAPITAL, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3581 PARKS CAPITAL - Parks and Recreation				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1129476	<b>PKS VASHON ISLND S UPLAND FRST</b> STANDALONE		\$500,000	<p><b>Current Scope:</b> Vashon Island South Upland Forest Acquisition - This is a multi-year project to conserve more than 500 acres of upland forest on the south end of Vashon Island, creating a community forest and passive recreational opportunity.</p> <p><b>Budget Request Basis:</b> The budget request is based on market value of the target property and recommended by the Conservation Futures Tax (CFT) Committee. Acquire 40 acres of forested land that would add to Frog Holler Forest as part of an initiative on southwestern Vashon Island to conserve large tracts of upland forests.</p>
1129671	<b>PKS M:PARKS ENERGY EFFICIENCY</b> PROGRAMMATIC		\$400,000	<p><b>Current Scope:</b> The Parks Energy Efficiency Program (PEEP) Program - funds emergent priority energy issues that arise, energy audits of existing park facilities and the ongoing replacement of existing energy consuming systems with better energy controls and more energy efficient systems.</p> <p><b>Budget Request Basis:</b> Budget is based on planning level estimate, past experience with previous types of projects and on past contractual commitments for design and engineering. This 2019-2020 appropriation will fund the following: emergent priority energy issues that arise, energy audits of existing park facilities, the ongoing replacement of existing energy consuming systems with better energy controls and more energy efficient systems.</p>
1129673	<b>PKS EMERGENT CONTINGENCY 3581</b> STANDALONE		(\$2,430,729)	<p><b>Current Scope:</b> Emergent Need Contingency Project Fund 3581 - This is a project to provide a mechanism for funding an existing capital project within the same fund that has insufficient appropriation due to unforeseen circumstances such as project delays or accelerations. If needed, this project will also provide a source of funding for matching portions of grants.</p> <p><b>Budget Request Basis:</b> Disappropriate the remaining balance.</p>
1129676	<b>PKS GRANT CONTINGENCY 3581</b> STANDALONE		\$13,690,000	<p><b>Current Scope:</b> Grant Contingency 3581 - This project provides Parks with more flexibility on the budget side to deal with both anticipated and unanticipated future grant opportunities. The Grant Contingency request is being split between the two capital funds in Parks.</p> <p><b>Budget Request Basis:</b> The amount requested is based on grants that have either already been applied for or currently under consideration. Potential granting agencies include the Puget Sound Regional Council (PSRC), the State's Recreation &amp; Conservation Office (RCO), WADNR, King County Flood District, Land and Water Conservation Fund (LWCF), Washington State Department of Ecology (WSDOE), Washington State Department of Transportation (WSDOT), Bian Abbott Fish Barrier Removal Board, and the Cooperative Watershed Management (CWM).</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Parks and Recreation, Fund: 3581 PARKS CAPITAL, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3581 PARKS CAPITAL - Parks and Recreation				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1129690	<b>PKS M:RTS MONITORING &amp; MAINT</b> PROGRAMMATIC		\$504,195	<p><b>Current Scope:</b> Regional Trail System Monitoring &amp; Maintenance - This master program funds on-site assessments of capital plantings and mitigation along the Regional Trail System Projects. In addition, during the permit required time periods, the program funds are used to evaluate the health of landscape plantings, perform required site maintenance and monitoring, remove invasive plants, replant dead or damaged plants, and provide reports to regulatory agencies for review and approval.</p> <p><b>Budget Request Basis:</b> Budget for this 2019-20 appropriation request is based on actual historical costs of successfully maintaining and monitoring similar sites over the past few years. These costs have been slightly adjusted for anticipated increasing labor, equipment, and materials costs based on growth and demands in the region. The 2019-2020 budget appropriation request will fund emergent trail landscape issues that arise, monitoring and maintenance of permit required landscaping and mitigation areas, as required by permit agencies and local jurisdictions. Locations currently included in this master program are the following: East Lake Sammamish Trail, Lake to Sound Trail, Burke Gilman Trail, and other regional trails as needs emerge.</p>
1129700	<b>PKS M:SKYWAY PARK</b> PROGRAMMATIC		\$500,000	<p><b>Current Scope:</b> Skyway Park - This program is for the planning, design, engineering, permitting and construction of the proposed Skyway Park improvements. This project will make multiple improvements, including installing a new mini open play soccer arena, installing an larger playground, adding adult fitness equipment, upgrading fencing, lighting, restrooms and ADA access, repurposing poorly draining ballfields to a grassy meadow, and creating a new pedestrian entry way.</p> <p><b>Budget Request Basis:</b> Budget is based on detailed Engineer's Estimate, past experience with similar projects and on contractual commitments for design and engineering. The 2019-2020 budget appropriation will be used to continue with the improvements that could not be included in the scope for the 2017-2018 improvements due to insufficient funds, which based on current estimate, would potentially include a new pedestrian entry-way, expanded parking, and enhancement of the existing restroom facilities.</p>
1132221	<b>PKS SNOQ VLLY TRL NORTH ACQ</b> STANDALONE		\$269,000	<p><b>Current Scope:</b> Snoqualmie Valley Trail - The project is to secure a trail easement on 0.34 miles of former railroad right-of-way to complete the northern end of the 31-mile long Snoqualmie Valley Trail corridor, at the Snohomish-King County line.</p> <p><b>Budget Request Basis:</b> The budget request is based on market value of the target property and recommended by the Conservation Futures Tax (CFT) Committee.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Parks and Recreation, Fund: 3581 PARKS CAPITAL, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3581 PARKS CAPITAL - Parks and Recreation				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1132224	<b>PKS BLACK DIAMOND ACQ</b> STANDALONE		\$1,100,000	<p><b>Current Scope:</b> Black Diamond Acquisition - This project is to acquire open space lands adjacent to Black Diamond Open Space that would provide additional open space benefits and provide additional recreation opportunities and public access.</p> <p><b>Budget Request Basis:</b> The budget request is based on market value of the target property and recommended by the Conservation Futures Tax (CFT) Committee. The current project scope is to acquire 92 acres of undeveloped forested lands adjacent to Black Diamond Open Space. The Conservation Futures Tax (CFT) Citizens Committee, a council-appointed committee to advise on open space acquisitions, recommended this funding request.</p>
1132225	<b>PKS KEEVIE LAKE ACQ</b> STANDALONE		\$1,000,000	<p><b>Current Scope:</b> Keevie Lake Acquisition - This project would establish a new area of protection for the county west of Black Diamond - approximately 170 acres of family ownership (and potentially adjacent forested lands owned by others).</p> <p><b>Budget Request Basis:</b> The budget request is recommended by the Conservation Futures Tax (CFT) Committee. The current budget request focuses on the four parcels that contain most of north and east sides of Keevie Lake and adjacent forested uplands.</p>
1133888	<b>PKS MOSS LAKE NA ADD</b> STANDALONE		\$50,000	<p><b>Current Scope:</b> Moss Lake Natural Area Acquisition - This project is to acquire open space lands in the Snoqualmie Tree Farm that are adjacent to Moss Lake Natural Area and provide public land connections to the Marckworth State Forest providing environmental benefits and public access for recreation.</p> <p><b>Budget Request Basis:</b> The budget request is based on market value of the target property and recommended by the Conservation Futures Tax (CFT) Committee. This funding will provide an opportunity for due diligence and landowner negotiations. King County Parks intends to apply again in the next grant cycle for additional funds to acquire the property.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Parks and Recreation, Fund: 3581 PARKS CAPITAL, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3581 PARKS CAPITAL - Parks and Recreation				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1133889	<b>PKS THREE FORKS NA ADD</b> STANDALONE		\$60,000	<p><b>Current Scope:</b> Three Forks Natural Area Acquisition - This project is to acquire and protect significant open space lands adjacent to the Three Forks Natural Area along the Snoqualmie River.</p> <p><b>Budget Request Basis:</b> The budget request is based on market value of the target property and recommended by the Conservation Futures Tax (CFT) Committee. This project is to acquire approximately 4.67 acres of a larger 39 acre parcel along the Snoqualmie River and add it to Three Forks Natural Area. The goal is to protect riparian habitat and accommodate public use to a popular summer river destination and swimming beach along the Snoqualmie River. The owner of the parcel is managing the parcel for sustainable forestry and would like to sell the portion of his property along the river. The project would require a boundary line adjustment prior to acquisition.</p>
1133890	<b>PKS CEDAR RIVER ADD</b> STANDALONE		\$500,000	<p><b>Current Scope:</b> Cedar River Acquisition - This project is to acquire and protect significant open space lands along the Cedar River, an important salmon bearing stream.</p> <p><b>Budget Request Basis:</b> The budget request is based on market value of the target property and recommended by the Conservation Futures Tax (CFT) Committee. This project will acquire a property or two along the Cedar River.</p>
1133891	<b>PKS CEMETERY POND OPN SPCE ADD</b> STANDALONE		\$300,000	<p><b>Current Scope:</b> Cemetery Pond Open Space Acquisition - To acquire lands in the vicinity of Cemetery Pond on the East Renton Plateau to inquire about willingness to sell property to the County for open space acquisitions in the area. Project scope includes potential acquisitions of eight parcels covering five acres adjacent to the Cemetery Pond Regional Stormwater Facility.</p> <p><b>Budget Request Basis:</b> The budget request is based on market value of the target property and recommended by the Conservation Futures Tax (CFT) Committee.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Parks and Recreation, Fund: 3581 PARKS CAPITAL, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3581 PARKS CAPITAL - Parks and Recreation				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1133892	<b>PKS MOLASSES CREEK</b> STANDALONE		\$25,000	<p><b>Current Scope:</b> Molasses Creek Area Acquisition - this project would contribute to conservation within the Lower Cedar Basin (Cedar River Watershed) in urban unincorporated King County and serve as additions to the approximately 800-acre King County Soos Creek Regional Trail/Park complex. Conservation of these properties preserve a valuable riparian corridor and provide protection for migrating fish as well as create additional permanent open space for passive recreation, including the potential for developing opportunities for trail connections. The full project scope would support acquisition of 5 parcels (totaling about 9 acres) owned by King County Roads.</p> <p><b>Budget Request Basis:</b> The budget request is based on an appraisal of the target property conducted by a private appraiser hired by King County Roads and amount recommended by the Conservation Futures Tax (CFT) Committee. The current project scope includes the acquisition of an approximately 1.18 acre parcel.</p>
1133893	<b>PKS URBAN GREEN SPACE ACQ</b> STANDALONE		\$450,000	<p><b>Current Scope:</b> Urban Green Space Acquisition - This is a new and long term acquisition effort to increase public green space in urban communities. The goal is to identify and acquire vacant parcels of urban forest adjacent to or near existing county park lands as well as residential parcels that improve public access and safety at existing county parks. In addition, this project will seek to add urban green space in areas that are devoid of parks and green space. The project will engage community groups and stakeholders to help identify open space and park needs in various urban unincorporated areas.</p> <p><b>Budget Request Basis:</b> The budget request rely upon appraised market value of target properties and recommended by the Conservation Futures Tax (CFT) Committee. The goal is to identify and acquire vacant parcels of urban forest adjacent to or near existing county park lands as well as residential parcels that improve public access and safety at existing county parks.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Parks and Recreation, Fund: 3581 PARKS CAPITAL, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3581 PARKS CAPITAL - Parks and Recreation				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1133894	<b>PKS MID GREEN RIVER EXPANSON</b> STANDALONE		\$250,000	<p><b>Current Scope:</b> Green River Expansion - The County is exploring forest land protection in several areas of southeast King County, primarily southeast of Black Diamond, with a landowner with significant landholdings in the area. These properties are part of the working forest landscape in this area, however the lands could be sold for residential uses in the future, resulting in a loss of working forest land base and habitat fragmentation. The County is still developing a strategy to protect these lands as working forest over the long term, which may include easement or fee acquisition, and may include partners such as Washington State agencies or private partners. Depending on the acquisition strategy that is developed, these lands could offer trail opportunities. Many of these properties connect to publicly owned lands under Washington State or King County ownership. Across the landscape, these areas offer scenic benefits, provide habitat to many kinds of wildlife, and provide water quality and water quantity benefits within their watersheds. There may be potential to enroll these lands in a carbon credit program that is under development by the County, and to transfer development rights off of the properties.</p> <p><b>Budget Request Basis:</b> The budget request is based on market value of the target property and recommended by the Conservation Futures Tax (CFT) Committee.</p>
1133895	<b>PKS MISTY ISLE FARMS</b> STANDALONE		\$200,000	<p><b>Current Scope:</b> Misty Isle Farms - This acquisition project targets the western 280 acres for permanent protection on Vashon Island.</p> <p><b>Budget Request Basis:</b> The budget request is based on market value of the target property and recommended by the Conservation Futures Tax (CFT) Committee. The requested budget provides seed money to begin the first acquisition. An offer has been extended and an appraisal is underway. We expect to close on the property in 2019.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Parks and Recreation, Fund: 3581 PARKS CAPITAL, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3581 PARKS CAPITAL - Parks and Recreation				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1133896	<b>PKS SNOQUALMIE VALLEY FARMLAND</b> STANDALONE		\$57,500	<p><b>Current Scope:</b> Snoqualmie Valley Farmland - This project is for the purchase of a trail easement on the Fall City Floating LLC property. The easement would cross along the eastern boundary of the farmland to make a publicly accessible connection from Parks' existing public parking lot to a safe crossing point of SR 203 which connects to an access point of the Snoqualmie Valley Trail.</p> <p><b>Budget Request Basis:</b> The budget request is based on market value of the target property and recommended by the Conservation Futures Tax (CFT) Committee. The proposed budget request is for the purchase of a trail easement on the "FALL CITY FLOATING LLC" property. The easement would cross along the eastern boundary of the farmland to make a publicly accessible connection from Park's existing public parking lot to a safe crossing point of SR 203 which connects to a direct corridor to/from a to an access point of the Snoqualmie Valley Trail.</p>
1133897	<b>PKS ERC NE 8TH ST ACQUISITION</b> STANDALONE		\$500,000	<p><b>Current Scope:</b> The Eastside Rail Corridor Trail NE 8th Street Acquisition - This project will support acquisitions required to provide access to the Eastside Rail Corridor trail and acquisitions that will resolve "pinch points" in the current ownership. It will allow safe crossing of NE 8th for trail users, and will also provide direct access from the trail to the Sound Transit Wilburton light rail station.</p> <p><b>Budget Request Basis:</b> The budget request is based on market value of the target property and recommended by the Conservation Futures Tax (CFT) Committee. The current budget request includes partial funding for acquisition to support development of a trail bridge across NE 8th Street in Bellevue, the busiest arterial crossing in King County's segment of the Eastside Rail Corridor. Engineering and environmental review for the project began June 2018. The consultant team includes a right of way consultant who will assist with negotiation and acquisition. The project is federally funded, and will need to meet federal requirements including NEPA review.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Parks and Recreation, Fund: 3581 PARKS CAPITAL, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3581 PARKS CAPITAL - Parks and Recreation				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1134312	PKS M:MILLION TR-FOREST HEALTH PROGRAMMATIC		\$1,878,000	<p><b>Current Scope:</b> Million Tree Forest Health Program - This program funds forest restoration projects, critical to the success of the Million Trees effort and to meeting the County's Strategic Climate Action Plan (SCAP) goals.</p> <p><b>Budget Request Basis:</b> Budget is based on expected revenue and cost estimates developed in coordination with WLR Forester and technical consultants, past experience with similar forest health and restoration projects, and current market factors (e.g., timber prices). The 2019-2020 capital appropriation for this program funds at least six discrete forest health and restoration projects across King County, including permitting, site preparation, selective timber harvest (on some sites), seedling costs, tree planting, post-planting treatment, trail repair, and consultant support. These projects directly support King County Parks' commitment to plant 110,000 trees by 2020 as part of the Million Trees effort. Priority sites include Henry's Ridge, Ravensdale, Taylor Mountain, Sugarloaf Mountain, Island Center Forest, and Mitchell Hill.</p>
<b>3581 - PARKS CAPITAL</b>		<b>Total</b>	<b>\$70,111,370</b>	
<b>Grand Total</b>			<b>\$70,111,370</b>	

**2019-2020 Proposed Financial Plan  
Parks Capital Fund / 3581**

**Capital Improvement Program (CIP) Budget**

	<b>2017-2018 Carryforward (YE ITD Balance)<sup>1</sup></b>	<b>2019-2020 Proposed<sup>2</sup></b>	<b>2019-2020 Total (Balance + Budget)</b>	<b>2021-2022 Projected<sup>3</sup></b>	<b>2023-2024 Projected<sup>3</sup></b>
<b>Capital Budget Revenue Sources:</b>					
Revenue Backing from Fund Balance	23,432,793	-	23,432,793		
Levy Proceeds from Fund 1453 <sup>7</sup>		30,477,197	30,477,197		
Real Estate Excise Tax (REET) I	726,283		10,748,668	11,474,951	
REET II	5,579,845	5,542,000	11,121,845		
State and Federal Grants	2,810,418	13,690,000	16,500,418		
Bond Proceeds		-	-		
YASF Grant	2,250,000		2,250,000		
WSDOT Contribution		8,775,505	8,775,505		
Fund to Reduce Energy Dependence (FRED)		-	-		
Miscellaneous <sup>8</sup>	592,822	878,000	1,470,822		
<b>Total Capital Revenue</b>	<b>\$ 35,392,161</b>	<b>\$ 70,111,370</b>	<b>\$ 105,503,531</b>		
<b>Capital Appropriation:</b>					
Regional Trail System	(17,959,242)	(33,752,099)	(51,711,341)		
Regional Open Space Acquisition	(4,693,303)	(7,638,000)	(12,331,303)		
Critical Infrastructure and Major Maintenance	(6,717,456)	(13,958,000)	(20,675,456)		
Grant Contingency	(643,875)	(13,690,000)	(14,333,875)	-	-
Emergent Contingency	(2,430,729)	2,430,729	-		
Administration and Central Rates	(697,556)	(3,504,000)	(4,201,556)		
Critical Infrastructure - YASF Grant	(2,250,000)		(2,250,000)		
<b>Dissappropriations (positive)</b>		<b>2,430,729</b>	<b>2,430,729</b>	-	-
<b>Total Capital Appropriation</b>	<b>\$ (35,392,161)</b>	<b>\$ (70,111,370)</b>	<b>\$ (105,503,531)</b>	<b>\$ -</b>	<b>\$ -</b>

**CIP Fund Financial Position**

	<b>2017-2018 Biennial to Date Actuals<sup>4</sup></b>	<b>2017-2018 Estimated<sup>5</sup></b>	<b>2019-2020 Biennial to Date Actuals</b>	<b>2019-2020 Estimated<sup>6</sup></b>	<b>2021-2022 Projected<sup>6</sup></b>	<b>2023-2024 Projected<sup>6</sup></b>
<b>Beginning Fund Balance</b>	<b>45,556,295</b>	<b>45,556,295</b>		<b>24,954,135</b>		
<b>Capital Funding Sources</b>						
Levy Proceeds from Fund 1453 <sup>7</sup>	41,103,534	52,153,403		30,477,197	-	
Real Estate Excise Tax (REET) I	527,615	2,161,130		8,032,466		
REET II	2,720,784	7,309,801		7,785,292		
State and Federal Grants	1,656,504	8,210,588		11,550,293		
Bond Proceeds	-			-		
YASF Grant	-			1,575,000		
WSDOT Contribution	-			6,142,854		
Fund to Reduce Energy Dependence (FRED)	392,000	392,000		1,029,575		
Miscellaneous	1,718,826	1,743,760				
<b>Total Capital Revenue</b>	<b>\$ 48,119,262</b>	<b>\$ 71,970,681</b>	<b>\$ -</b>	<b>\$ 66,592,676</b>		
<b>Capital Expenditures</b>						
Regional Trail System	(22,968,200)	(53,141,335)		(36,197,939)		
Regional Open Space Acquisition	(8,849,869)	(17,357,526)		(8,631,912)		
Critical Infrastructure and Major Maintenance	(6,395,878)	(18,039,996)		(14,472,819)		
Grant Contingency	-	(1,502,375)		(10,033,713)		
Emergent Contingency	-			-		
Administration and Central Rates	(1,747,738)	(2,510,652)		(2,953,155)		
Critical Infrastructure - YASF Grant	-			(2,250,000)		
<b>Total Capital Expenditures</b>	<b>\$ (39,961,685)</b>	<b>\$ (92,551,885)</b>	<b>\$ -</b>	<b>\$ (74,539,537)</b>		
<b>Other Fund Transactions<sup>9</sup></b>						
Other General Ledger Expenses	(20,958)	(20,957)		-		
<b>Ending Fund Balance</b>	<b>\$ 53,692,914</b>	<b>\$ 24,954,135</b>	<b>\$ -</b>	<b>\$ 17,007,273</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Fund Balance designated to current projects<sup>12</sup></b>	<b>\$ (48,782,717)</b>	<b>\$ (20,043,937)</b>	<b>\$ -</b>	<b>\$ (14,007,273)</b>		
<b>Reserves</b>						
Grant Contingency						
Regional Trail System Reserve <sup>10</sup>	(1,910,197)	(1,910,198)				
Cash Flow Reserve <sup>11</sup>	(3,000,000)	(3,000,000)		(3,000,000)		
<b>Total Reserves</b>	<b>\$ (4,910,197)</b>	<b>\$ (4,910,198)</b>	<b>\$ -</b>	<b>\$ (3,000,000)</b>		
Projected Shortfall	-	-		-		
<b>Ending Undesignated Fund Balance</b>	<b>\$ 0</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 0</b>	<b>\$ -</b>	<b>\$ -</b>

## Financial Plan Notes

<sup>1</sup> 2017-2018 Carryover reflects estimates of year end inception to date appropriation balances or actual balance as reported by GL10 report. It includes 2018 Omnibus request (not yet approved).

<sup>2</sup> 2019-2020 Proposed Budget summarizes the expenditure and revenue data from PIC and matches the CIP Attachment A.

<sup>3</sup> Out-year budget estimates are consistent with the March 2018 Office of Economic and Financial Analysis (OEFA) forecast for Real Estate Excise Taxes and the policy intent of the 2014-2019 Parks Levy that Real Estate Excise Taxes should be used to reduce the major maintenance backlog in the King County parks system. Out-years are not shown due to the expiration of the Parks Levy in 2019.

<sup>4</sup> 2017-2018 Actuals reflects actual revenues and expenditures, using EBS report GL10 from BI Publisher. The beginning and ending fund balance are consistent with the fund balance reported by FBOD.

<sup>5</sup> 2017-2018 Estimated reflects updated estimates informed by the Division's spending target and corresponding reimbursement of project spending with Real Estate Excise Taxes and grant revenues.

<sup>6</sup> Out-year revenue and spending estimates are based on current revenue estimates and project spending target.

<sup>7</sup> Revenue Notes: Levy revenue includes the use of \$1.9M in Regional Trail System Reserve funds in 2019-2020 proposed. Operating Fund 1453 shows an additional \$57K transfer to this capital fund that is not recorded or programmed in this fund. This 57K is the result of updated revenue estimates from the latest OEFA forecast.

<sup>8</sup> Miscellaneous revenue includes interest earnings, energy rebates from energy efficiency projects, Utility permit revenue, and a \$99,000 donation from Forterra per KC Motion #14702.

<sup>9</sup> Other fund transactions include accounting adjustments to balance to budgetary fund balance.

<sup>10</sup> This reserve reflects anticipated construction costs for major regional trail projects to be appropriated in 2019-2020.

<sup>11</sup> This reserve uses unanticipated miscellaneous revenues to maintain a cash flow reserve. The two main funding sources within this fund (Real Estate Excise Taxes and grants) are received on a reimburseable basis. Since there is a lag between when expenditures occur and when reimbursements are received, the fund often ends the financial year with a deficit. This cash flow reserve will help mitigate the negative balance.

<sup>12</sup> Fund balance designated to current projects is for projects that are already appropriated. This fund balance cannot be used for other projects without disappropriating projects or creating a shortfall in the fund.

This plan was update by Myunghee Chung on 6/22/2018

# SOLID WASTE DIVISION

## Mission

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To bring the best people together to deliver value to our customers and stakeholders and continuously improve waste prevention, resource recovery, and waste disposal.

## Overview

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The Solid Waste Division (SWD) provides solid waste transfer, disposal, and recycling services at its transfer stations for residents and businesses in all of King County, except for the cities of Seattle and Milton. The SWD operates facilities to collect household hazardous waste from residents. Waste collected at these facilities is then properly recycled or disposed. Solid waste from King County is buried in the County-owned Cedar Hills Regional Landfill (CHRLF) where it is monitored and responsibly managed to protect the environment and comply with all applicable regulations.

SWD uses a combination of incentives, technical assistance, and regulations to promote desirable environmental practices by customers, individuals, and businesses in order to safeguard and enhance the County's natural resources and environment. SWD provides green building assistance and training to staff throughout the county and in the suburban cities. All of SWD's waste prevention and recycling programs are intended to educate individuals and businesses about more sustainable practices and encourage them to reduce their waste and recycle more.

The Division also manages the Solid Waste Post-Closure Landfill Maintenance (PCLM) Fund and provides environmental monitoring and maintenance for closed landfills the County owns or for which the County has custodial responsibility. The activities conducted in this budgetary unit include monitoring landfill gas, settlement, and leachate and devising cost effective solutions for landfill systems as the closed and custodial landfills stabilize.

The Solid Waste Operating appropriation unit is A72000 and is located in Fund 000004040. The Solid Waste Post-Closure Landfill Maintenance appropriation unit is A71500 and is located in Fund 000001040.

## Challenges, Opportunities, and Strategic Issues

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The Solid Waste Division submitted an updated Comprehensive Solid Waste Management Plan this year that proposes strategies for managing King County’s solid waste over the next six years, with consideration of the next 20 years. Key strategic issues the division faces that came out of this work, as well as other business planning efforts, include:

- **Long Term Disposal:** Interlocal agreements with cities require the division to provide disposal services through 2040; under the current plan, Cedar Hills will reach capacity by 2028.
  - In order to meet these long term needs, SWD proposes to further develop Cedar Hills Landfill by implementing several capital improvement projects with a goal of maximizing the life of the landfill. These projects include developing a new landfill cell in the southeast area of the landfill and relocating facilities currently in this area.
- **Northeast Transfer:** Currently in the Northeast Service Area, the Houghton transfer station fails to meet six key transfer station criteria.
  - SWD proposes to build a new Northeast Recycling and Transfer Station that will meet all of these key criteria and elevate the level of service in this fast growing region of the County.
- **Low-Income Discount:** Approximately 300,000 people in the division’s service area qualify for low income assistance, but the division’s rates do not have a low-income discount for its customers.
  - As proposed in the 2019-2020 SWD Rate Proposal, the division plans on implementing a low-income discount program at transfer stations starting in 2019. This discount will be \$12 off all qualifying self-haul transactions at the station, which is effectively 50 percent off the minimum fee for garbage.

## 2019-2020 Priorities

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The Solid Waste Division has a number of efforts that align with County strategic priorities. Below is a highlight of some of these efforts.

### King County Strategic Climate Action Plan

The Solid Waste Division has committed to achieving carbon-neutral operations by 2025. Steps toward carbon neutrality include reducing activities that produce emissions (such as using diesel-fueled trucks to transport waste) while increasing activities that help offset emissions (such as recycling). Examples of the climate-supportive actions in the Solid Waste Division include: supporting the construction and demolition waste reduction program, supporting recycling activities, and implementing a pilot program to measure energy savings through building automation.

### Equity and Social Justice (ESJ)

The Solid Waste Division seeks to advance ESJ principles throughout the organization including in planning, budgeting, and operations. By embracing ESJ, the division better serves more King County communities, provides a more positive workplace for employees, and serves as an example of an agency

that values equitable access for all people. Examples of the division's ESJ-related activities within the guiding Goal Areas include: implementing a low-income rate for self-haul customers, supporting expanded outreach for recruitment activities, and expanding access to employee development programs.

### **Investing in You**

By embracing what employees told Solid Waste in their employee surveys and through their internal Equity and Social Justice group, the Solid Waste Division proposes training opportunities and action plans to create a racially just and culturally responsive workplace that supports employees. Examples of a few actions proposed in the 2019-2020 budget that support Investing in You include: developing new career paths, improving work-life balance, and investing in strategies to support employee training.

**2019-2020 Executive Proposed Operating Budget  
SOLID WASTE (EN\_A72000)**

<b>Operating Budget Summary</b>	<b>Expenditures</b>	<b>Revenues</b>	<b>Reg FTE</b>	<b>TLT</b>
<b>2017-2018 Revised Budget</b>	<b>285,819,413</b>	<b>261,621,714</b>	<b>414.5</b>	<b>12.5</b>
Base Budget Adjustments	(3,307,059)	1,433,834	0.0	(12.5)
Decision Package Adjustments	36,173,513	40,682,367	11.0	11.5
<b>2019-2020 Executive Proposed Budget</b>	<b>318,685,867</b>	<b>303,737,915</b>	<b>425.5</b>	<b>11.5</b>
<b>2019-2020 Executive Proposed Ordinance</b>	<b>318,686,000</b>	<b>303,738,000</b>	<b>425.5</b>	<b>13.5</b>

**Notes**

1. The 2017-2018 Revised Budget equals the 2017-2018 Adopted Biennial Budget plus all Adopted Supplementals as of the publication of this document.

2. Adjust base budget to remove one-time changes, annualize supplemental changes, and increase personnel budgets to 2019-2020 rates. Personnel budgets reflect projected 2019-2020 salary and benefit rates, current position classifications, and step/merit increases.

3. The Executive Proposed Budget is the sum of the Revised Budget, Base Budget Adjustments, and Decision Package Adjustments. All FTEs / TLTs are rounded to the nearest 1/10th of a position and in some cases, rounded numbers may not add up to the FTE/TLT totals in Executive Proposed. In the Executive Proposed Ordinance, expenditure and revenue totals are rounded up to the nearest 1,000 and FTEs and TLTs are rounded up to the maximum monthly FTEs / TLTs in the Biennium.

<b>Decision Package Adjustment Detail</b>	<b>Expenditures</b>	<b>Revenues</b>	<b>Reg FTE</b>	<b>TLT</b>
<b>Direct Service Changes</b>				
(DS_001) New Rate, Tonnage and Borrowing Assumptions Implement the Executive Proposed 2019-2020 solid waste rate. This decision package includes revenues, debt service, inter-fund transfers, taxes and licenses, and industrial wastewater fees.	21,419,219	36,757,997	0.0	0.0
(DS_002) Expand the Construction and Demolition Program Support the division's Construction and Demolition waste program through its second biennia of operation by promoting secondary markets for recycled materials and holding system partners accountable.	1,005,791	(453)	1.0	0.0
(DS_003) New Truck Driver Position for Increased Tonnage Expand capacity to haul refuse and yard waste from SWD's transfer stations with a new truck driver position in 2020, based on forecast additional tonnage.	109,294	0	1.0	0.0
(DS_004) Transfer Station Operators for Factoria Recycling Support stronger than anticipated demand for recycling activities at the Factoria Recycling and Transfer Station by adding transfer station operators dedicated to helping these customers (one TSO each shift).	427,226	0	2.0	0.0

**2019-2020 Executive Proposed Operating Budget  
SOLID WASTE (EN\_A72000)**

<b>Decision Package Adjustment Detail</b>	<b>Expenditures</b>	<b>Revenues</b>	<b>Reg FTE</b>	<b>TLT</b>
(DS_005) Waste Screener Position Improve access to training for waste screeners and compliance monitoring of the County's Waste Acceptance Rule by restoring a waste screening position lost during the Great Recession.	225,631	0	1.0	0.0
(DS_006) Low Income Self-Haul Transfer Station Rate Implement a low income rate for self-haul customers at SWD transfer stations as described in the Executive Proposed 2019-2020 Solid Waste Rate Proposal.	0	(600,000)	0.0	0.0
(DS_120) Central Climate Change Costs Update Adjust the share of the central climate-related costs for 2019-2020; these costs include investments to advance the Strategic Climate Action Plan (SCAP), membership fees in climate related organizations, consulting fees, an update to the 2020 SCAP, as well as central staff to help agencies across the County with climate related activities. The allocation methodology is based on greenhouse gas emissions.	31,074	0	0.0	0.0
<b>Administrative Service Changes</b>				
(AC_001) Local Hazardous Waste Management (LHWMP) Inflation Adjustment Provide moderate risk waste services to household and small business customers in partnership with the Local Hazardous Waste Management Program (LHWMP), adjusting costs for inflation.	1,479,365	1,479,365	0.0	0.0
(AC_002) One-Time Capital Asset Maintenance Expenditures Replace the dust collection system at Shoreline Recycling and Transfer Station, and build a leachate collection system at the Cedar Falls Drop Box, as required by regulators.	1,000,000	0	0.0	0.0
(AC_003) Supervisory Control and Data Acquisition Team Position and Investments Prepare the division for utilizing the Building Information Modeling (BIM) software and invest in data acquisition and analysis capabilities. Eliminate single point of failure and support employee development by adding a position to the Supervisory Control and Data Acquisition (SCADA) unit.	644,434	0	1.0	0.0
(AC_004) New Project Control and Construction Oversight Unit Create a project control unit within the Solid Waste Division's project management office to ensure consistent application of processes and procedures across the entire capital portfolio, and add a construction manager to enforce the construction contract at the division's largest construction sites.	163,533	0	3.0	0.0

**2019-2020 Executive Proposed Operating Budget  
SOLID WASTE (EN\_A72000)**

Decision Package Adjustment Detail	Expenditures	Revenues	Reg FTE	TLT
(AC_005) Stormwater Sampling Requirements Conduct storm water sampling at the division's five sites that currently have a conditional no exposure exemption to stormwater sampling requirements. Based on national trends, Solid Waste believes the existing exemptions are not likely to be renewed.	225,000	0	0.0	0.0
(AC_006) Human Resources and Payroll Position Improve delivery of leave administration and other administrative tasks to Solid Waste's Human Resource and Payroll team by adding a position.	176,131	0	1.0	0.0
(AC_007) Human Resources Analyst Position Add a human resources analyst to expand anti-bias recruitment processes and diversity outreach to minority races and disadvantaged and underrepresented groups. Further, support career developing special duty opportunities and lead assignments as a way for current employees to gain the skills needed for advancement and reduce the amount of time to hire.	413,369	0	1.0	0.0
(AC_008) Wastewater Team Position Add an FTE to the wastewater team to reduce the team's reliance on overtime and improve access to training.	186,824	0	1.0	0.0
(AC_009) Modernize Technology for Vehicle Location and Permit Compliance Implement the county-wide standard for Automatic Vehicle Location (AVL) services and implement software designed to track compliance with the division's many permits and meet regulatory requirements.	262,450	0	0.0	0.0
(AC_010) Term-Limited Capital and Operating Project Support Positions Provide staffing support for Solid Waste's time-limited work in the operating and CIP budgets. These initiatives include landfill and transfer station development (7.5), landfill odor prevention and response (1), and environmental systems work (2).	1,960,043	0	0.0	10.5
(AC_083) Department of Local Services Cost Allocation Fund the Department of Local Services (DLS) Director's Office based on the agency's operating expenditures in unincorporated King County.	(70,414)	0	0.0	0.0
(AC_084) Organizational Development Centralization Centralize resources for organizational development programs within the newly established Department of Human Resources. Agencies will receive organizational development services addressing healthy conflict engagement, leadership development, and workplace culture. DHR will recover costs for these services through the General Fund Overhead rate, with corresponding reductions made in agency consulting services accounts.	(75,000)	0	0.0	0.0

**2019-2020 Executive Proposed Operating Budget  
SOLID WASTE (EN\_A72000)**

<b>Decision Package Adjustment Detail</b>	<b>Expenditures</b>	<b>Revenues</b>	<b>Reg FTE</b>	<b>TLT</b>
(AC_300) Transition Vehicle Acquisition Services to Fleet Transition vehicle acquisition services for the Solid Waste Division's rolling stock from SWD to Fleet, making perpetual a 2017-2018 pilot project. Corresponds to decision package AC_300 in Fleet's budget.	(277,915)	0	(1.0)	0.0
(AC_301) Building Energy Management Position and Pilot Implement a pilot program to measure the energy savings resulting from optimizing building automation systems in SWD's new recycling and transfer stations.	200,391	104,169	0.0	1.0
<b>Technical Adjustments</b>				
(TA_001) Operations Training Enhancement Increase professional development training to Operations section employees, providing staff opportunities to learn and grow in their careers.	550,000	0	0.0	0.0
(TA_002) Fuel and Asset Management Software Updates Align division fuel needs with current utilization estimates and Office of Economic Forecasting and Analysis (OEFA) price forecast. Also budgets for asset management software used in the Operations section.	798,840	0	0.0	0.0
(TA_003) Memberships and Overhead Allocation for the Department Director's Office Adjust the Solid Waste's Director's Office budget for charges including department overhead, vehicle leases, and dues for a state-wide solid waste coordination group.	12,952	0	0.0	0.0
(TA_004) Right-size Contract Spending for Planning Services Reduce contracted planning expenditures to align with anticipated division needs in 2019-2020.	(100,000)	0	0.0	0.0
(TA_005) Environmental Self-Insurance Enable the establishment of a regional environmental reserve fund in accordance with the interlocal agreements between Solid Waste and the regional system's participants (cities and towns). Legislation related to this reserve fund will be sent with the budget ordinance.	1,000,000	0	0.0	0.0
(TA_006) Recyclable Hauling Adjustment Align the budget for hauling recycling products with current market demand and customer recycling behaviors at Solid Waste's Recycling and Transfer Stations.	286,340	(581,858)	0.0	0.0
(TA_050) Revenue Adjustments Revise budgeted revenues to match current forecast.	0	3,523,147	0.0	0.0
(TA_098) Agency Proposed Net Zero Changes Net zero changes to reflect current spending patterns.	0	0	0.0	0.0

**2019-2020 Executive Proposed Operating Budget  
SOLID WASTE (EN\_A72000)**

<b>Decision Package Adjustment Detail</b>	<b>Expenditures</b>	<b>Revenues</b>	<b>Reg FTE</b>	<b>TLT</b>
(TA_099) Labor Loan-In / Loan-Out Adjust the value of labor (salary and benefits) which is budgeted in the Solid Waste appropriation unit (A72000) but that expends effort in the division's Capital Improvement Project portfolio or in the Landfill Post Closure Maintenance appropriation unit (A71500).	199,526	0	0.0	0.0
(TA_110) Proforma Net Zero Adjustments Net zero changes to reflect current spending patterns.	0	0	0.0	0.0
(TA_113) Vacancy Rate Adjustment Capture salary savings from employee turnover, without reducing the FTE authority, to increase the accuracy of labor budgeting for this appropriation unit and provide greater transparency.	(2,178,364)	0	0.0	0.0
(TA_114) Special Pay Adjustment Update the pay differential premium account to reflect current spending patterns including FICA and retirement.	2,192,926	0	0.0	0.0
<b>Central Rate Adjustments</b>	<b>3,904,847</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>
<b>Total Decision Package Adjustments</b>	<b>36,173,513</b>	<b>40,682,367</b>	<b>11.0</b>	<b>11.5</b>

**2019-2020 Proposed Financial Plan  
SOLID WASTE OPERATING FUND / 000004040**

<b>Category</b>	<b>2017-2018 Estimated</b>	<b>2019-2020 Proposed</b>	<b>2021-2022 Projected</b>	<b>2023-2024 Projected</b>
<b>Beginning Fund Balance</b>	<b>49,310,995</b>	<b>52,057,196</b>	<b>41,882,233</b>	<b>38,087,252</b>
<b>Revenues</b>				
Disposal Fees <sup>1</sup>	259,966,535	280,935,315	313,627,231	347,295,314
Moderate Risk Waste (MRW)	6,749,100	9,762,488	10,040,719	10,316,839
Recycling Revenues (excluding MRW)	1,665,000	2,028,142	2,076,339	2,118,736
Grants	240,600	221,278	223,277	225,277
Harbor Island Rental Income	935,400	1,181,804	964,517	1,018,583
Interest Earnings	1,232,000	2,056,658	1,920,147	1,598,097
Landfill Gas to Energy	11,092,500	6,000,000	5,500,000	5,000,000
Construction & Demolition	1,953,550	1,391,861	1,278,646	1,301,578
SWD Other Revenues	133,657	160,369	331,134	349,696
SWD One-Time Revenues	346,366	-	-	-
DNR Administration (0381) <sup>7</sup>	16,493,998	-	-	-
<b>Total Revenues</b>	<b>300,808,706</b>	<b>303,737,915</b>	<b>335,962,010</b>	<b>369,224,120</b>
<b>Expenditures</b>				
SWD Operating Expenditures	(185,809,000)	(205,668,846)	(219,397,717)	(245,782,569)
Landfill Reserve Fund Transfer <sup>2</sup>	(43,193,520)	(48,010,900)	(42,833,934)	(47,769,625)
Debt Service - General Obligation Bonds	(26,327,000)	(36,794,353)	(55,565,846)	(60,716,629)
Cedar Hills Landfill Rent <sup>3</sup>	(5,989,000)	(6,170,000)	(6,357,000)	(6,549,000)
Capital Equipment Recovery Fund (CERP)	(13,800,000)	(13,800,000)	(12,600,000)	(12,200,000)
Construction Fund Transfer	(4,000,000)	(4,000,000)	(4,000,000)	(4,000,000)
Environmental Reserve Transfer	-	(1,000,000)	(1,000,000)	(1,000,000)
Landfill Post-Closure Maint. Fund Transfer	(2,450,000)	(2,923,780)	(3,087,512)	(3,294,375)
Host City Mitigation	-	(317,988)	(336,113)	(354,599)
DNR Administration (0381)	(16,493,985)	-	-	-
<b>Total Expenditures</b>	<b>(298,062,505)</b>	<b>(318,685,867)</b>	<b>(345,178,122)</b>	<b>(381,666,797)</b>
<b>Estimated Underexpenditures<sup>4</sup></b>		<b>4,779,489</b>	<b>5,421,131</b>	<b>6,050,122</b>
<b>Other Fund Transactions</b>				
<b>Total Other Fund Transactions</b>	-	-	-	-
<b>Ending Fund Balance</b>	<b>52,057,196</b>	<b>41,888,733</b>	<b>38,087,252</b>	<b>31,694,697</b>
<b>Reserves</b>				
Expenditure Reserve (s)				
Cash Flow Reserve(s)				
Rate Stabilization Reserve <sup>5</sup>	(43,380,403)	(32,067,862)	(26,947,937)	(19,262,936)
Rainy Day Reserve (30 days <sup>6</sup> )	(8,676,793)	(9,820,867)	(11,139,311)	(12,431,757)
<b>Total Reserves</b>	<b>(52,057,196)</b>	<b>(41,888,729)</b>	<b>(38,087,248)</b>	<b>(31,694,693)</b>
Reserve Shortfall	-	-	-	-
<b>Ending Undesignated Fund Balance</b>	<b>-</b>	<b>4</b>	<b>4</b>	<b>4</b>

**Financial Plan Notes**

All financial plans have the following assumptions, unless otherwise noted in below rows.

2017-2018 Estimated reflects the best estimate for the biennium, using actual revenues and expenses through May, 2018 and estimating the remainder of the biennium.

2019-2020 Proposed Budget ties to Hyperion and matches 2019-2020 Estimated until 2019 actuals are available.

Outyear revenue and expenditure inflation assumptions are consistent with figures provided by PSB and/or OEFA.

Revenue Notes: Outyear revenues are based on PSB, OEFA, and forecasts by SWD as part of the rate proposal

1) Disposal revenue is based on forecast system tonnage (MSW + Yard Waste) and rates. 2017-2018 rate was \$134.59; projected rates are 2019-2020 \$140.82, 2021-2022 \$147.34; and, 2023-2024 \$154.16. Actual 2017 system tons were 953,143; forecast system tons in 2018 are 974,421; in 2019 are 986,589; in 2020 are 1,032,056; in 2021 are 1,056,411; in 2022 are 1,098,056; in 2023 are 1,119,907; and in 2024 are 1,163,620.

Expenditure Notes: Out year Expenditures are based on PSB, OEFA, and forecasts by SWD as part of the rate proposal.

2) Includes a \$10 million one-time transfer to the post-closure reserve account in the 2019-2020 budget.

3) Based on current values and agreements. A new assessed property value is anticipated to be established after adoption of the Solid Waste Comprehensive Plan if the adopted plan includes landfilling at Cedar Hills Regional Landfill beyond 2028.

4) Underexpenditure assumptions are based on 2% of the division's operating expenditures excluding grant-funded expenditures. Calculation: (Operating Expense + Rent + Debt Service) - (Grants + MRW).

Reserve Notes:

5) The rate stabilization reserve is used to mitigate future rate increases.

6) 30-day rainy day reserve uses the same calculation as underexpenditures in note 4.

General Notes:

7) DNR Administration will move to its own fund in 2019-2020.

Updated by Eben Sutton on 6/29/2018.

**2019-2020 Executive Proposed Operating Budget  
SW LF POST CLOSURE MAINT (EN\_A71500)**

<b>Operating Budget Summary</b>	<b>Expenditures</b>	<b>Revenues</b>	<b>Reg FTE</b>	<b>TLT</b>
<b>2017-2018 Revised Budget</b>	<b>3,420,221</b>	<b>2,492,451</b>	<b>1.0</b>	<b>0.0</b>
Base Budget Adjustments	344,562	1	0.0	0.0
Decision Package Adjustments	116,849	515,048	0.0	0.0
<b>2019-2020 Executive Proposed Budget</b>	<b>3,881,632</b>	<b>3,007,500</b>	<b>1.0</b>	<b>0.0</b>
<b>2019-2020 Executive Proposed Ordinance</b>	<b>3,882,000</b>	<b>3,008,000</b>	<b>1.0</b>	<b>0.0</b>

**Notes**

1. The 2017-2018 Revised Budget equals the 2017-2018 Adopted Biennial Budget plus all Adopted Supplementals as of the publication of this document.
2. Adjust base budget to remove one-time changes, annualize supplemental changes, and increase personnel budgets to 2019-2020 rates. Personnel budgets reflect projected 2019-2020 salary and benefit rates, current position classifications, and step/merit increases.
3. The Executive Proposed Budget is the sum of the Revised Budget, Base Budget Adjustments, and Decision Package Adjustments. All FTEs / TLTs are rounded to the nearest 1/10th of a position and in some cases, rounded numbers may not add up to the FTE/TLT totals in Executive Proposed. In the Executive Proposed Ordinance, expenditure and revenue totals are rounded up to the nearest 1,000 and FTEs and TLTs are rounded up to the maximum monthly FTEs / TLTs in the Biennium.

<b>Decision Package Adjustment Detail</b>	<b>Expenditures</b>	<b>Revenues</b>	<b>Reg FTE</b>	<b>TLT</b>
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**Administrative Service Changes**

(AC_010) Time-limited Support for Closed Landfills Monitor and implement environmental control systems at closed landfills in the Landfill Post-Closure budget using 20 percent of a Solid Waste Operating Budget TLT. This position is created in related decision package AC_010 in the SWD Operating budget (A72000).	61,951	0	0.0	0.0
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**Technical Adjustments**

(TA_001) Align Revenues to Solid Waste Transfers Align anticipated revenue transfers from the Solid Waste Operating budget for landfill work at closed landfills which have exceeded their twenty or thirty year statutory post-closure maintenance period.	0	473,780	0.0	0.0
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(TA_050) Revenue Adjustments Revise budgeted revenues to match current forecast.	0	41,268	0.0	0.0
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(TA_099) Labor Loan-In / Loan-Out Adjust the value of labor (salary and benefits) which is budgeted in the Solid Waste appropriation unit (A72000) but that expends effort in the division's Capital Improvement Project portfolio or in the Landfill Post Closure Maintenance appropriation unit (A71500).	66,318	0	0.0	0.0
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**2019-2020 Executive Proposed Operating Budget  
 SW LF POST CLOSURE MAINT (EN\_A71500)**

<b>Decision Package Adjustment Detail</b>	<b>Expenditures</b>	<b>Revenues</b>	<b>Reg FTE</b>	<b>TLT</b>
<b>Central Rate Adjustments</b>	(11,420)	0	0.0	0.0
<b>Total Decision Package Adjustments</b>	116,849	515,048	0.0	0.0

**2019-2020 Proposed Financial Plan  
LANDFILL POST-CLOSURE / 000001040**

Category	2017-2018 Estimated	2019-2020 Proposed Budget	2021-2022 Projected	2023-2024 Projected
<b>Beginning Fund Balance</b>	<b>5,205,837</b>	<b>4,400,202</b>	<b>3,526,070</b>	<b>2,599,601</b>
<b>Revenues</b>				
Investment Earnings	90,683	83,720	85,022	65,919
Transfer from SWD Operating 4040	2,450,000	2,923,780	3,087,512	3,294,375
Other	18,709			
<b>Total Revenues</b>	<b>2,559,392</b>	<b>3,007,500</b>	<b>3,172,534</b>	<b>3,360,294</b>
<b>Expenditures</b>				
Post-Closure Maint. Expenditures	(3,365,027)	(3,881,632)	(4,099,003)	(4,373,636)
<b>Total Expenditures</b>	<b>(3,365,027)</b>	<b>(3,881,632)</b>	<b>(4,099,003)</b>	<b>(4,373,636)</b>
<b>Estimated Underexpenditures</b>				
<b>Other Fund Transactions</b>				
<b>Total Other Fund Transactions</b>	-	-	-	-
<b>Ending Fund Balance</b>	4,400,202	3,526,070	2,599,601	1,586,259
<b>Reserves</b>				
Custodial Landfill Post-Closure	(1,188,055)	(952,039)	(701,892)	(428,290)
Closed Landfill Post-Closure	(3,080,141)	(2,468,249)	(1,819,721)	(1,110,381)
Program Contingency	(132,006)	(105,782)	(77,988)	(47,588)
<b>Total Reserves</b>	<b>(4,400,202)</b>	<b>(3,526,070)</b>	<b>(2,599,601)</b>	<b>(1,586,259)</b>
Reserve Shortfall	-	-	-	-
<b>Ending Undesignated Fund Balance</b>	-	-	-	-

**Financial Plan Notes**

All financial plans have the following assumptions, unless otherwise noted in below rows.

2017-2018 Estimated reflects EBS actuals through May 2018 plus biennium end estimates.

2019-2020 Proposed Budget ties to Hyperion and matches 2019-2020 Estimated until 2019 actuals are available.

Outyear revenue and expenditure inflation assumptions are consistent with figures provided by PSB and/or OEFA.

Revenue Notes:

- 1) Outyear projections assume revenue and expenditure growth based on March 2018 Office of Economic and Financial Analysis projections.

Reserve Notes:

- 2) Program contingency reserves area set at 3% of ending fund balance and custodial and closed Landfill Post-Closure percentages are based on historical patterns and anticipated needs of 27% and 70% respectively.

This plan was updated by Ester Abenojar June 29, 2018.

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Solid Waste, Fund: 3810 SW CAP EQUIP REPLACEMENT, Cap Status: Approved, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3810 SW CAP EQUIP REPLACEMENT - Solid Waste				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1133925	SW CAP EQUIPMENT PROGRAMMATIC		\$18,624,483	<p><b>Current Scope:</b> Solid Waste Capital Equipment: This project replaces two current Capital Equipment Recovery Program (CERP) projects, SW CERP Capital Repairs-1033485 and SW CERP Eq Replacement Purchase-1033487. This project consolidates those two projects into a programmatic project for efficiency purposes. The purpose of the CERP program is provide adequate resources for replacement, rehabilitation, and major maintenance of solid waste rolling stock and stationary compactors. This project supports the replacement and rehabilitation of Solid Waste equipment purchased after 1981. A separate fund was created and annual contributions are made to it from the operating fund for replacement and major maintenance of heavy equipment items as scheduled in the Equipment Replacement Plan.</p> <p><b>Budget Request Basis:</b> The requested budget amount is based on the SWD transfers from the operating fund based on potential forecasted revenues. This project will assume the combined roles of two existing projects SW CERP Capital Repairs-1033485 and SW CERP Equipment Replacement Purchase-1033487. Those projects will continue under their existing appropriation while this new project will have appropriation going forward.</p>
3810 - SW CAP EQUIP REPLACEMENT		Total	\$18,624,483	
<b>Grand Total</b>			<b>\$18,624,483</b>	

**Financial Plan 2019-2020 Agency Proposed Budget  
CAPITAL EQUIPMENT RECOVERY FUND / 000003810**

<b>Capital Improvement Program (CIP) Budget</b>					
	<b>2017-2018 Carryforward (YE ITD Balance)</b>	<b>2019-2020 Proposed</b>	<b>2019-2020 Total (Balance + Budget)</b>	<b>2021-2022 Projected</b>	<b>2023-2024 Projected</b>
<b>Capital Budget Revenue Sources:</b>					
Revenue Backing from Fund Balance	6,976,093	2,840,100	9,816,193	-	-
Transfer from Solid Waste Operating Fund 000004040		13,800,000	13,800,000	12,600,000	12,200,000
Sale of Surplus Equipment <sup>1</sup>	1,738,500	1,528,900	3,267,400	462,770	862,770
Interest Revenue		455,483	455,483		
Other Revenue	-	-	-	-	-
<b>Total Capital Revenue</b>	<b>\$ 8,714,593</b>	<b>\$ 18,624,483</b>	<b>\$ 27,339,076</b>	<b>\$ 13,062,770</b>	<b>\$ 13,062,770</b>
<b>Capital Appropriation:</b>					
SW CERP REPAIRS	(1,611,749)	-	(1,611,749)	-	-
SW CERP EQUIPMENT REPLACEMENT	(7,102,844)	-	(7,102,844)	-	-
SW CERP CAPITAL EQUIPMENT	-	(18,624,483)	(18,624,483)	(13,062,770)	(13,062,770)
	-	-	-	-	-
	-	-	-	-	-
<b>Total Capital Appropriation</b>	<b>\$ (8,714,593)</b>	<b>\$ (18,624,483)</b>	<b>\$ (27,339,076)</b>	<b>\$ (13,062,770)</b>	<b>\$ (13,062,770)</b>

<b>CIP Fund Financial Position</b>						
	<b>2017-2018 Biennial to Date Actuals</b>	<b>2017-2018 Estimated</b>	<b>2019-2020 Biennial to Date Actuals</b>	<b>2019-2020 Estimated</b>	<b>2021-2022 Projected</b>	<b>2023-2024 Projected</b>
<b>Beginning Fund Balance</b>	<b>17,901,619</b>	<b>17,901,619</b>		<b>18,060,367</b>	<b>15,117,654</b>	<b>15,543,216</b>
<b>Capital Funding Sources</b>						
Revenue Backing From Fund Balance	-	-	-	-	-	-
Transfer from Solid Waste Operating Fund	9,775,000	13,800,000		13,800,000	12,600,000	12,200,000
Sale of Surplus Equipment <sup>1</sup>	270,870	1,738,500		1,528,900	462,770	862,770
Interest Revenue	273,748	300,000		352,870	425,562	497,383
Other Revenue		4,983				
<b>Total Capital Revenue</b>	<b>\$ 10,319,618</b>	<b>\$ 15,843,483</b>	<b>\$ -</b>	<b>\$ 15,681,770</b>	<b>\$ 13,488,332</b>	<b>\$ 13,560,153</b>
<b>Capital Expenditures</b>						
SW CERP REPAIRS	(371,973)	(2,210,865)		-	-	-
SW CERP EQUIPMENT REPLACEMENT	(6,993,675)	(13,475,801)		-	-	-
SW CERP CAPITAL EQUIPMENT				(18,624,483)	(13,062,770)	(13,062,770)
Other Capital Projects	1,931	1,931				
<b>Total Capital Expenditures</b>	<b>\$ (7,363,717)</b>	<b>\$ (15,684,735)</b>	<b>\$ -</b>	<b>\$ (18,624,483)</b>	<b>\$ (13,062,770)</b>	<b>\$ (13,062,770)</b>
<b>Other Fund Transactions</b>						
<b>Ending Fund Balance</b>	<b>\$ 20,857,520</b>	<b>\$ 18,060,367</b>	<b>\$ -</b>	<b>\$ 15,117,654</b>	<b>\$ 15,543,216</b>	<b>\$ 16,040,599</b>
<b>Fund Balance designated to current projects*</b>	<b>\$ (10,805,470)</b>	<b>\$ (8,008,317)</b>	<b>\$ -</b>	<b>\$ (4,150,036)</b>	<b>\$ (4,496,577)</b>	<b>\$ (4,138,703)</b>
<b>Reserves</b>						
Rainy Day Reserve <sup>2</sup>	(10,052,050)	(10,052,050)		(10,967,619)	(11,046,640)	(11,901,897)
Cash Flow						
<b>Total Reserves</b>	<b>\$ (10,052,050)</b>	<b>\$ (10,052,050)</b>	<b>\$ -</b>	<b>\$ (10,967,619)</b>	<b>\$ (11,046,640)</b>	<b>\$ (11,901,897)</b>
Projected Shortfall	-	-		-	-	-
<b>Ending Undesignated Fund Balance</b>	<b>\$ 0</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**Financial Plan Notes**

**CIP Budget Notes:**

All financial plans have the following assumptions, unless otherwise noted in below rows.

2017-2018 Carryover column reflects the best estimate of the inception to date budget balances at the end of the 2017-2018 biennium.

2019-2020 Proposed Budget is consistent with expenditure and revenue data from PIC.

2019-2020 Total Budget sums the carryover budget and the proposed budget.

Outyear revenue and expenditure budget assumptions tie to the outyears of the Attachment A, with exceptions explicitly noted.

**CIP Fund Financial Position:**

All financial plans have the following assumptions, unless otherwise noted in below rows.

Biennial to Date (BTD) expenditures and revenue reflect EBS totals for budgetary accounts as of May, 2018.

2017-2018 Estimated reflects the best estimate for the biennium.

2019-2020 Estimated column reflects the best estimate for the biennium based on actuals.

Outyear revenue projections and expenditure estimates are based on the most recent projections and reflect current project plans.

**Revenue Notes:**

- 1) Assumes equipment salvage value of 10% acquisition cost, on average.

**Reserve Notes:**

- 2) Rainy Day Reserve protects the fund against unanticipated asset retirements and is set at 15% of the replacement value of rolling stock in the program.

\* Fund balance designated to current projects is for projects that are already appropriated. This fund balance cannot be used for other projects without disappropriating projects or creating a shortfall in the fund.

Date plan updated Ester Abenojar 6/20/2018.

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Solid Waste, Fund: 3901 SOLID WASTE CONSTRUCTION, Cap Status: Approved, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3901 SOLID WASTE CONSTRUCTION - Solid Waste				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1033497	<b>SW SOUTH COUNTY RECYCLING &amp; TS</b> STANDALONE		\$27,426,271	<p><b>Current Scope:</b> South County Recycling and Transfer Station: This project will site, design, permit, and construct a new transfer and recycling facility to replace the Algona Transfer Station.</p> <p><b>Budget Request Basis:</b> Project schedule determined cashflow and budget needs. Factoria was used as basis for cost estimates and schedule. As of May 2018 the Project has a Budget Carryover of \$10,925,991. This amount is carried forward through project closeout. Although it appears this approximately \$11M is beyond what is needed for the Project, (estimate at completion is \$133M), the Project is just starting Preliminary Design and has yet to be baselined. There are numerous variables such as conditions that the City of Algona may place on the Project during land use permitting, incorporation of new green building requirements (LEED Platinum or Living Building Challenge sustainability programs), and the construction bidding climate in the year 2020 or beyond that may impact the total at completion. Therefore, the recommendation is to wait until the 2023-2024 budget cycle to assess whether the \$11M carryover can be dropped.</p>
1033498	<b>SW NORTHEAST RECYCLING &amp; TRANSFER STATION</b> STANDALONE		\$40,114,589	<p><b>Current Scope:</b> Northeast Recycling and Transfer Station: This project will site, permit, design and construct a new transfer and waste processing facility to replace the Houghton Transfer Station. Although transfer station design on this project will not begin until after site selection and determination of project delivery in accordance with Ordinance 17437, the Solid Waste Division (SWD) has extensive recent experience constructing and operating modern solid waste recycling and transfer stations. SWD has completed three such facilities during the last decade including Shoreline, Bow Lake and Factoria. This facility will serve as a model for improving facility operation and reducing impacts on surrounding communities by including features like a fully enclosed transfer building, rainwater collection and other water conservation measures, maximizing use of natural lighting and other energy conservation strategies, and dust/odor management systems.</p> <p><b>Budget Request Basis:</b> The recent Factoria Recycling and Transfer station project was used as basis for cost estimates and schedule. These were adjusted for inflation and aligned with this project's schedule to determine cashflow and budget needs.</p>
1033503	<b>SW HARBOR IS SAFETY IMPROVMNTS</b> STANDALONE	✓	(\$699,910)	<p><b>Current Scope:</b> Harbor Island Safety Improvements: This project will implement the demolition of condemned buildings, enhancement to fire alarm systems, electrical service improvements, and repair of dock &amp; floor settlement at Warehouse "E".</p> <p><b>Budget Request Basis:</b> Disappropriate remaining balance.</p>
1033507	<b>SW CONSTR CIP OVERSIGHT</b> ADMIN		\$30,527	<p><b>Current Scope:</b> Construction Capital Improvement Program Oversight: This project covers the cost of Capital Improvement Program (CIP) oversight services provided to the Solid Waste Division's Construction Fund projects by the King County Auditor's Office.</p> <p><b>Budget Request Basis:</b> Amounts from PSB.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Solid Waste, Fund: 3901 SOLID WASTE CONSTRUCTION, Cap Status: Approved, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3901 SOLID WASTE CONSTRUCTION - Solid Waste				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1116833	<b>SOLID WASTE CEDAR FALLS ENVIRONMENTAL CONTROL SYSTEM MODIFICATION</b> STANDALONE		\$886,171	<p><b>Current Scope:</b> Cedar Falls Environmental Control Systems Modification: Investigation at the Cedar Falls closed landfill to implement landfill control system improvements to meet regulatory requirements under WAC 173-304; minimize custodial operations and maintenance requirements; and develop property for ultimate secondary use. This project includes planning, design, and construction for the upgrades.</p> <p><b>Budget Request Basis:</b> The budget requested in the 2019-2020 biennium will support the planning, preliminary design, final design and implementation phases in both years due to the cyclical nature of the closed landfill projects. The budget amount requested was based on similar work completed at the Enumclaw closed landfill. In 2019-20 biennium, the budget request is \$886,171.</p>
1116838	<b>Solid Waste ENUMCLAW ENV CNTRL SYS MOD</b> STANDALONE		\$662,870	<p><b>Current Scope:</b> Enumclaw Environmental Control System Modification: Investigation at the Enumclaw Landfill to implement landfill control system improvements to minimize custodial operations and maintenance requirements and develop property for ultimate secondary use.</p> <p><b>Budget Request Basis:</b> This project will address improvements to the environmental control systems at the Enumclaw closed landfill to meet regulatory requirements.</p>
1124104	<b>SW HOBART LF COVER AND GAS CONTROL</b> STANDALONE		\$821,509	<p><b>Current Scope:</b> Hobart Landfill Cover and Gas Control: Investigation of the Hobart closed landfill to implement landfill control system improvements to meet regulatory requirements under WAC 173-301; minimize custodial operations and maintenance requirements; and develop property for ultimate secondary use. This project includes planning, design, and construction for the upgrades.</p> <p><b>Budget Request Basis:</b> This project will address improvements to the environmental control systems at the Hobart closed landfill to meet regulatory requirements. This project will proceed to implementation in 2019-2020 for the budgeted amount of \$821,509. The 2019-2020 budget request provides implementation for improvements to the landfill gas control and treatment system and groundwater monitoring networks to demonstrate a reduction in the risk for potential regulatory noncompliance and that the landfill conditions are aligning with the King county strategic goals to end the post closure phase. The 2019-2020 budget request is based on similar work completed at Cedar Hills and Enumclaw Landfills.</p>
1124107	<b>SW ALGONA TRANSFER STATION DEMOLITION</b> STANDALONE		\$21,961	<p><b>Current Scope:</b> Algona Transfer Station Deconstruction: This project will deconstruct the existing Algona Transfer Station following the opening of the new South County Regional Transfer Station.</p> <p><b>Budget Request Basis:</b> An in-house analysis of prior deconstruction projects were used as a basis for the projected cost.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Solid Waste, Fund: 3901 SOLID WASTE CONSTRUCTION, Cap Status: Approved, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3901 SOLID WASTE CONSTRUCTION - Solid Waste				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1129849	<b>SW PC DUVALL ENVIRON CTRL SYS</b> STANDALONE		\$3,213,945	<p><b>Current Scope:</b> Duvall Environmental Controls: Investigation at the Duvall Landfill to evaluate the need for control systems and implement environmental control system improvements to meet regulatory requirements under WAC 173-301 and SKCDPH Title 10; to minimize custodial operations and maintenance requirements; and to develop property for ultimate secondary use. This project includes planning, predesign, design, and construction for the upgrades.</p> <p><b>Budget Request Basis:</b> The 2019-2020 budget request is based on similar completed projects.</p>
1129850	<b>SW HARBOR ISLAND DOCK DEMO</b> STANDALONE		\$1,398,767	<p><b>Current Scope:</b> Harbor Island Dock Demolition: The derelict dock along the western shoreline of Harbor Island in the West Waterway at the mouth of the Duwamish River, occupies three tax lots. These parcels were purchased by King County in 2003 from Pendleton Flour Mills, LLC. The goal of this scope of work is to demolish the 64,000 square foot dock, remove the creosote-treated pilings and debris, install a sand cap at the demolition site, and thereby meet the requirements of the King County Solid Waste Division aquatic lease agreement with the Washington State Department of Natural Resources.</p> <p><b>Budget Request Basis:</b> This budget request is based on a consulting firm's cost estimate.</p>
1129851	<b>SW PC PUY/KIT CNR ENV CTRL SYS</b> STANDALONE		\$1,541,868	<p><b>Current Scope:</b> Post-closure Puyallup/Kit Corner Environmental Control Systems: Investigation at the Puyallup Landfill to evaluate the need for and implement environmental control system improvements to meet regulatory requirements under WAC 173-301 and SKCDPH Title 10; to minimize custodial operations and maintenance requirements; and to develop property for ultimate secondary use. This project includes planning, predesign, design, and construction for the upgrades.</p> <p><b>Budget Request Basis:</b> The 2019-2020 budget request is based on similar completed projects.</p>
1129852	<b>SW PC HOUGHTON ENV CTRL SYS</b> STANDALONE		\$1,564,097	<p><b>Current Scope:</b> Post-closure Houghton Environmental Control Systems: Investigation at the Houghton Landfill to evaluate the need for and implement environmental control system improvements to meet regulatory requirements under WAC 173-301 and SKCDPH Title 10; to minimize custodial operations and maintenance requirements; and to develop property for ultimate secondary use. This project includes planning, predesign, design, and construction for the upgrades.</p> <p><b>Budget Request Basis:</b> The 2019-2020 budget request is based on similar completed projects.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Solid Waste, Fund: 3901 SOLID WASTE CONSTRUCTION, Cap Status: Approved, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3901 SOLID WASTE CONSTRUCTION - Solid Waste				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1133918	SW FACILITIES RELOCATION STANDALONE		\$26,311,510	<p><b>Current Scope:</b> Facilities Relocation - The July 2010 final impact statement for the Cedar Hills Regional Landfill considered five action alternatives for extending the life of Cedar Hills. One of those included development of new disposal capacity in the southeast section of the site including the area currently containing administrative and maintenance facilities. Under this project, support facilities that are not essential to continuing landfilling in the southeast section will be relocated off site, and those functions and facilities that are mandatory to remain on site at Cedar Hills to continue landfilling will be relocated within the boundary of Cedar Hills. To the extent possible, Solid Waste will utilize property already within the division's possession to accommodate these new facilities.</p> <p><b>Budget Request Basis:</b> A rough order magnitude estimate was developed by a consultant and the information here reflects that. At present, the division is developing alternatives and will prepare a new cost estimate under CIP 1124106 SW CH SUPPORT FACILITIES EVA, which also assessed the condition of the existing facilities and the feasibility of moving them to new locations. Unfortunately, that study concluded that most existing facilities had already served their useful life.</p>
1135055	SW ENUM & VASHON SOLAR & EFFICIENCY PROJ STANDALONE		\$1,176,000	<p><b>Current Scope:</b> Enumclaw and Vashon Transfer Station Solar Efficiency: Completion of energy efficiency improvements at the Enumclaw and Vashon transfer Stations, expanding on already-completed LED lighting replacement work. The lighting work will include enhanced control of exterior lighting to turn off lights after the stations close each evening. Controls of the facility compactors will reduce operating hours and wear and tear on that equipment. Some mechanical equipment control improvements will also take place. Also includes ~220 kW of solar at Enumclaw and ~180 kW at Vashon, covering over half of the energy use at each site. Assumes \$540,000 of State Commerce grant dollars. The solar work will likely NOT be done if the state grant is not received. Final determination of solar costs will be dependent on utility interconnection fees to be provided by Puget Sound Energy at a future date.</p> <p><b>Budget Request Basis:</b> The budget was generated resulting from initial facility walkthroughs and solar system size scoping at the Enumclaw and Vashon Transfer Stations.</p>
3901 - SOLID WASTE CONSTRUCTION		Total	\$104,470,175	
<b>Grand Total</b>			<b>\$104,470,175</b>	

**2019-2020 Proposed Financial Plan  
SOLID WASTE CONSTRUCTION FUND / 00003901 & 00003906**

<b>Capital Improvement Program (CIP) Budget</b>					
	<b>2017-2018 Carryforward (YE ITD Balance)</b>	<b>2019-2020 Proposed</b>	<b>2019-2020 Total (Balance + Budget)</b>	<b>2021-2022 Projected</b>	<b>2023-2024 Projected</b>
<b>Capital Budget Revenue Sources:</b>					
Revenue Backing from Fund Balance	2,868,753	2,916,243	5,784,996		-
Prior Bond Proceeds	20,766,002	-	20,766,002	-	-
New Bond Proceeds <sup>1</sup>		96,000,000	96,000,000	143,178,290	15,000,000
Transfer From Solid Waste Opt. Fund 4040	2,000,000	4,000,000	6,000,000	4,000,000	4,000,000
Surplus Property Sale <sup>2</sup>	-		-	-	-
Other Revenue	160,000		160,000		1,432,249
<b>Total Capital Revenue</b>	<b>\$ 25,794,755</b>	<b>\$ 102,916,243</b>	<b>\$ 128,710,998</b>	<b>\$ 147,178,290</b>	<b>\$ 20,432,249</b>
<b>Capital Appropriation:</b>					
SW Bow Lake Recycling and TS	(4,655,303)				
SW Factoria Recycling and TS	(2,357,542)		(2,357,542)		
SW Northeast Recycling & TS	(138,277)	(40,114,589)	(40,252,866)	(5,797,400)	(11,253,861)
SW South County Recycling & TS	(10,926,095)	(27,426,271)	(38,352,366)	(85,603,354)	(8,797,173)
SW Facilities Relocation		(26,311,510)	(26,311,510)	(53,341,769)	(347,782)
Other Capital Projects	(12,372,841)	(10,617,805)	(22,990,646)	(2,451,524)	(47,448)
<b>Total Capital Appropriation</b>	<b>\$ (25,794,755)</b>	<b>\$ (104,470,175)</b>	<b>\$ (130,264,930)</b>	<b>\$ (147,194,047)</b>	<b>\$ (20,446,264)</b>

<b>CIP Fund Financial Position</b>						
	<b>2017-2018 Biennial to Date Actuals</b>	<b>2017-2018 Estimated</b>	<b>2019-2020 Biennial to Date Actuals</b>	<b>2019-2020 Estimated</b>	<b>2021-2022 Projected</b>	<b>2023-2024 Projected</b>
<b>Beginning Fund Balance</b>	<b>(3,706,888)</b>	<b>(3,706,888)</b>		<b>17,797,157</b>	<b>14,894,142</b>	<b>14,750,362</b>
<b>Capital Funding Sources</b>						
Revenue Backing from Fund Balance			-	-	-	-
Bond Proceeds <sup>1</sup>	35,456,116	35,456,116		100,000,000	145,000,000	15,000,000
Transfer From Solid Waste Opt. Fund 4040 or Surplus Property Sale <sup>2</sup>	2,000,000	4,000,000		4,000,000	4,000,000	4,000,000
Interest & Other Revenue	55,907	160,000		177,972	148,941	147,504
<b>Total Capital Revenue</b>	<b>\$ 37,512,023</b>	<b>\$ 39,616,116</b>	<b>\$ -</b>	<b>\$ 104,177,972</b>	<b>\$ 149,148,941</b>	<b>\$ 19,147,504</b>
<b>Capital Expenditures</b>						
SW Bow Lake Recycling and TS	89,341	89,341		-	-	-
SW Factoria Recycling and TS	(8,363,844)	(9,055,376)		(186,202)	-	-
SW Northeast Recycling & TS	(10,767)	(10,767)		(40,253,528)	(5,797,400)	(11,253,861)
SW South County Recycling & TS	(448,000)	(4,450,967)		(27,426,271)	(85,603,354)	(8,797,173)
SW Facilities Relocation				(26,311,510)	(53,341,769)	(347,782)
Other Capital Projects	(1,900,354)	(4,684,302)		(12,903,476)	(4,550,198)	(47,449)
<b>Total Capital Expenditures</b>	<b>\$ (10,633,624)</b>	<b>\$ (18,112,071)</b>	<b>\$ -</b>	<b>\$ (107,080,987)</b>	<b>\$ (149,292,721)</b>	<b>\$ (20,446,265)</b>
Other Fund Transactions						
<b>Ending Fund Balance<sup>3</sup></b>	<b>\$ 23,171,511</b>	<b>\$ 17,797,157</b>	<b>\$ -</b>	<b>\$ 14,894,142</b>	<b>\$ 14,750,362</b>	<b>\$ 13,451,601</b>
<b>Fund Balance designated to current projects*</b>	<b>\$ (23,415,478)</b>	<b>\$ (17,797,157)</b>	<b>\$ -</b>	<b>\$ (14,894,142)</b>	<b>\$ (14,750,362)</b>	<b>\$ (13,451,601)</b>
<b>Reserves</b>						
Grant Contingency						
Cash Flow						
<b>Total Reserves</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
Projected Shortfall						
<b>Ending Undesignated Fund Balance</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**Financial Plan Notes**

**CIP Budget Notes:**

All financial plans have the following assumptions, unless otherwise noted in below rows.  
2017-2018 Carryover column reflects the best estimate of the inception to date budget balances at the end of the 2017-2018 biennium.  
2019-2020 Proposed Budget ties to PIC.  
2019-2020 Total Budget sums the carryover budget and the proposed budget.

Outyear revenue and expenditure budget assumptions tie to the outyears of the Attachment A, with exceptions explicitly noted.

Revenue Notes:

1) The Solid Waste Division does not currently have authority to sell new bonds. The division will be submitting ordinance to obtain this authority following passage of the 2019-2020 budget.

**CIP Fund Financial Position:**

All financial plans have the following assumptions, unless otherwise noted in below rows.  
Biennial to Date (BTD) expenditures and revenue reflect EBS totals for budgetary accounts as of the most recent closed month.  
2017-2018 Estimated reflects the best estimate for the biennium.  
2019-2020 Estimated column reflects the best estimate for the biennium based on actuals.

Outyear revenue projections and expenditure estimates are based on the most recent projections and reflect current project plans

Revenue Notes:

2) Revenues from the Eastgate property (13620 SE Eastgate Way; Bellevue) have been removed from this financial plan pending legal and policy review of the application of HB 2382 covering surplus of utility properties.

Reserve Notes:

3) The vast majority of the fund balance in this fund is from bonds sold for Solid Waste purposes.

\* Fund balance designated to current projects is for projects that are already appropriated. This fund balance cannot be used for other projects without disappropriating projects or creating a shortfall in the fund.

Last Updated 6/28/2018 by Ester Abenojar



# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Solid Waste, Fund: 3910 LANDFILL RESERVE, Cap Status: Approved, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3910 LANDFILL RESERVE - Solid Waste				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1033516	SW CH REV SITE DEV PLAN STANDALONE		\$1,143,640	<p><b>Current Scope:</b> Cedar Hills Revise Site Development Plan: The scope of this project is to revise the site development plan with the purpose of maximizing the life of the Cedar Hills Regional Landfill (from its current projected useful life of 2030) and also develop an Environmental Impact Statement (EIS) to evaluate the environmental impacts of continued development. Solid Waste (SWD) anticipates that the work will proceed in two phases as follows: first, devise a set of five alternatives which would allow further development of the landfill, and provide estimated costs per ton for that development; second, prepare an EIS report based on the selected five (5) alternative site development plan options following the State Environmental Policy Act (SEPA) review process including public consultation process, environmental studies, etc. Five environmental studies will be completed to supplement the existing 2010 EIS and providing inputs for the proposed EIS report and also to evaluate the impacts until 2040. These studies include Noise &amp; Vibration Analysis, Odor and Air Quality, Visual and Aesthetic Impact, Traffic Impact study. In addition to the five site development plan alternatives, another site development plan with minimum relocation of the CHRLF support facilities will also be developed for providing cost-economic inputs to the project.</p> <p><b>Budget Request Basis:</b> The initial phase (conceptual design) of this project began in 2008 and was completed in 2010 with an appropriated budget of \$1.324 million. For the new biennium, Solid Waste will use the additional appropriation to add environmental studies (along with associated SWD oversight of the consultants) to explore the viability of the five options and which of the five should be further explored through a SEPA process which includes public comment. The findings will inform and be incorporated into the EIS. The budget also anticipates for preparing a response report on the comments during the public hearing process.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Solid Waste, Fund: 3910 LANDFILL RESERVE, Cap Status: Approved, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3910 LANDFILL RESERVE - Solid Waste				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1033542	SW CH AREA 7 CLOSURE STANDALONE		\$19,247,260	<p><b>Current Scope:</b> Cedar Hills Landfill Area 7 Closure: This project consists of a five-stage construction of final cover system over a projected surface area of about 60 acres of Refuse Area 7 between the year 2011 and 2020. The staged construction are planned in 2013, 2015, 2017, 2018, and 2020. The work includes preliminary and final design, preparation of contract documents, and the installation of liner, landfill gas, leachate, and surface water control facilities.</p> <p><b>Budget Request Basis:</b> A baseline cost estimate has been prepared for Stage 1 &amp; 2 closure and a planning level order of magnitude cost estimate has been developed for the whole project. Basis of cost estimates: Construction cost estimate was based on the assumption that construction cost trend for the elements for the older CHRLF Areas 4, 5, and 6 closure will not change substantially unless the typical configuration of the cover system changes and except for normal inflation and lack of adequate competitions for the construction contractors. Being the most recent construction, Area 7 stage 1 &amp; stage 2 closure actual construction cost were given more weight as the configuration of the cover system changed (Exposed Geomembrane) from the previously constructed typical cover system. The construction cost for interim exposed geomembrane cover based closure was approximately \$330,000 per acre. A team of experienced SWD staff reviewed and evaluated the historical closure costs of the Areas 4,5, 6, and 7 (Stage 1 &amp; 2 closure only) it was determined that, for typical closure cover system, the overall all interim, interim final, and final cover construction cost will be approximately \$250,000, \$330,000, and \$380,000 per acres (updated to 2015 price adjusted to the construction cost index as well as nominal inflation factor) respectively; Based on the above cost assumption, the total budget for the whole project has been estimated as Approx. \$40.92 million (inflated).</p>
1033547	SW LFR CAPITAL PROJ CNTRL SPRT ADMIN		\$538,407	<p><b>Current Scope:</b> Landfill Reserve Capital Project Control Support: This project will fund support for SWD to implement standardized project management processes including CPMWG requirements to ensure compliance with Ordinance 16764 as well as Executive Order 8-1, 8-2, 8-3, and 8-4. This includes the update of project management manual, tracking performance, and implementation of a Project Management Document Management system for capital projects reporting. In order to standardize project management in Solid Waste Division (SWD), a Centralized Project Management Unit (CPMU) was formed in 2015. Standardized project management process, protocols, training for CPMU will be developed through this project. This project will fund the work associated with developing, updating, and maintaining Project Information System Management (PRISM) System to track, budget, and report capital projects performance. PRISM maintenance includes upgrade related costs, licensing fees, and WTD maintenance costs. On-call project control consultants are also included as part of this project.</p> <p><b>Budget Request Basis:</b> This budget request was developed based on the current needs, previous years actual expenditures, and anticipated future needs.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Solid Waste, Fund: 3910 LANDFILL RESERVE, Cap Status: Approved, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3910 LANDFILL RESERVE - Solid Waste				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1033548	SW LFR CIP OVERSIGHT ADMIN		\$15,870	<p><b>Current Scope:</b> Landfill Reserve Capital Improvement Program Oversight: This project appropriates funds to cover the cost of Capital Improvement Program oversight services provided to the Solid Waste's Landfill Reserve Fund projects by the King County Auditor's Office.</p> <p><b>Budget Request Basis:</b> Amounts for agency request are from historical spending patterns. PSB provides this allocation amount.</p>
1112415	CEDAR HILLS AREA 8 CLOSURE STANDALONE		\$8,312,782	<p><b>Current Scope:</b> Cedar Hills Landfill Area 8 Closure: This project consists of a multistage construction of the final cover system over Refuse Area 8 between the years 2019 and 2027. The staged construction years still need to be determined. The work includes preliminary and final design, preparation of contract documents, and the installation of liner, landfill gas, leachate, and surface water control facilities.</p> <p><b>Budget Request Basis:</b> Budget request is based on previous project experience.</p>
1129844	SW CHRLF PUMP STN REPAIR STANDALONE		\$74,362	<p><b>Current Scope:</b> Cedar Hills Regional Landfill Pump Station Repairs Project - The goal of this scope of work is to inspect, evaluate, design, and implement the repairs, calibrations, and improvements required to optimize pump capacities and ensure their continued safe and reliable operation to Cedar Hills Regional Landfill Pump Stations 1A, 2, 3, and 4. As part of the inspection, leachate inflows must first be measured in order to appropriately calibrate the pumps at each of the four pump stations. Additionally, a wet well leak test must determine if there are any outward flows of leachate from pump station 1A through any observed cracks, seams or panel joints.</p> <p><b>Budget Request Basis:</b> The budget was developed based on problems identified in an inspection report and personal communication with King County Operations and Solid Waste Facility, Engineering, and Science Unit (FESU) Staff on problems and requirements for Pump Stations 1A, 2, 3 and 4.</p>
1133921	SW CHRLF LEACHATE LAGOONS STANDALONE		\$11,032,381	<p><b>Current Scope:</b> Cedar Hills Regional Landfill Leachate Lagoons: This project will upgrade the leachate lagoons at Cedar Hills Regional Landfill. Improvements include bringing the liner system into current regulatory compliance, replacing the aerator system for improved energy efficiency, replacing aging effluent pumps, addressing any identified pre-treatment needs for permit discharge compliance and upgrading the electrical controls and wiring.</p> <p><b>Budget Request Basis:</b> Budget was based on costs of similar construction at the site. Lagoon costs were based on contaminated stormwater lagoon costs, treatment based on similar stormwater treatment and electrical based on consultant prepared estimate for similar work.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Solid Waste, Fund: 3910 LANDFILL RESERVE, Cap Status: Approved, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3910 LANDFILL RESERVE - Solid Waste				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1133922	SW CHRLF EAST PERCH ZONE RI-FS STANDALONE		\$1,254,737	<p><b>Current Scope:</b> Cedar Hills Regional Landfill East Perched Zone Remediation Investigation and Feasibility Study: This project will complete the Remediation Investigation and Feasibility Study for the East Perched Zone. This effort began in the Environmental Control Systems Modifications project. The Department of Ecology recommended additional work beyond the scope of the original project.</p> <p><b>Budget Request Basis:</b> Budget is based on an estimate prepared by a consultant.</p>
1133923	SW CHRLF AREA 9 NAD STANDALONE		\$10,104,943	<p><b>Current Scope:</b> Cedar Hills Regional Landfill Area 9 New Area Development: The July 2010 impact statement for the Cedar Hills Regional Landfill considered five action alternatives for extending the life of Cedar Hills. One of those (Alternative 5) included development of new disposal capacity in the southeast section of the landfill by developing Area 9. Development of Area 9 would require excavation of approximately two million cubic yards of soil, construction of a retaining wall and bottom liner system. The Area 9 Development project will add 10.4 million cubic yards of disposal capacity to Cedar Hills.</p> <p><b>Budget Request Basis:</b> The budget is based on prior projects that developed earlier sections of the landfill. The project is substantially similar to those previous landfill development projects. The budget is based on engineering quantity estimates of major items and application of appropriate contingency factors for estimates made at the planning information level.</p>
1133924	SW CHRLF NFS ELECTRICAL STANDALONE		\$3,105,450	<p><b>Current Scope:</b> Cedar Hills Regional Landfill North Flare Station (NFS) Electrical: Replacement North Flare Station (NFS) Motor Control Center (MCC) will replace the existing control panels at the NFS. The new MCC will be in an enclosed building that will power and control the existing blowers and flares. The new building will be built outside the gas classification footprint that would require an explosion proof building, the classification is class 2 div 1. The existing electrical meter will also be moved out of the above mentioned classified area into a non-explosive gas classified area.</p> <p><b>Budget Request Basis:</b> A Solid Waste consultant created an engineering estimate for the construction of a new Motor Control Center. (MCC) The estimate provided to SWD is the amount requested for the biennial budget. The design for the MCC was covered under an earlier appropriation. The requested amount will support the RFP process for selecting a contractor and the construction of the MCC.</p>
<b>3910 - LANDFILL RESERVE</b>		<b>Total</b>	<b>\$54,829,832</b>	
<b>Grand Total</b>			<b>\$54,829,832</b>	

**2019-2020 Proposed Financial Plan  
LANDFILL RESERVE FUND / 000003910**

<b>Capital Improvement Program (CIP) Budget</b>					
	<b>2017-2018 Carryforward (YE ITD Balance)</b>	<b>2019-2020 Proposed</b>	<b>2019-2020 Total (Balance + Budget)</b>	<b>2021-2022 Projected</b>	<b>2023-2024 Projected</b>
<b>Capital Budget Revenue Sources:</b>					
Revenue Backing from Fund Balance		6,828,153	6,828,153	-	11,663,431
Transfer From Solid Waste Opt. Fund 4040	19,045,204	48,010,900	67,056,104	41,470,701	47,769,625
Interest Revenue	-	-	-	-	-
Other Revenue	-	-	-	-	-
<b>Total Capital Revenue</b>	<b>\$ 19,045,204</b>	<b>\$ 54,839,053</b>	<b>\$ 73,884,257</b>	<b>\$ 41,470,701</b>	<b>\$ 59,433,056</b>
<b>Capital Appropriation:</b>					
SW A8 DEV/FACILITY RELOCATION	(5,371,214)	-	(5,371,214)	-	-
SW CH AREA 7 CLOSURE	(168,514)	(19,247,260)	(19,415,774)	(411,456)	-
SW CH AREA 8 CLOSURE	-	(8,312,782)	(8,312,782)	(14,828,010)	(12,587,629)
SW CH AREA 9 DEVELOPMENT	-	(10,104,943)	(10,104,943)	(26,004,169)	(46,833,941)
Other Capital Projects	(13,505,476)	(17,164,847)	(30,670,323)	(227,066)	(31,000)
<b>Total Capital Appropriation</b>	<b>\$ (19,045,204)</b>	<b>\$ (54,829,832)</b>	<b>\$ (73,875,036)</b>	<b>\$ (41,470,701)</b>	<b>\$ (59,452,570)</b>

<b>CIP Fund Financial Position</b>						
	<b>2017-2018 Biennial to Date Actuals</b>	<b>2017-2018 Estimated</b>	<b>2019-2020 Biennial to Date Actuals</b>	<b>2019-2020 Estimated</b>	<b>2021-2022 Projected</b>	<b>2023-2024 Projected</b>
<b>Beginning Fund Balance</b>	<b>38,334,705</b>	<b>38,334,704</b>		<b>22,877,266</b>	<b>12,348,354</b>	<b>13,479,497</b>
<b>Capital Funding Sources</b>						
Revenue Backing from Fund Balance	-	-		-	-	-
Transfer From Solid Waste Opt. Fund 4040	27,637,757	43,193,520		48,010,900	42,833,934	47,769,625
Interest Revenue	602,639	602,639		325,904	358,481	493,106
Other Revenue	4,953	4,953		4,583,050	-	-
<b>Total Capital Revenue</b>	<b>\$ 28,245,349</b>	<b>\$ 43,801,112</b>		<b>\$ 52,919,854</b>	<b>\$ 43,192,415</b>	<b>\$ 48,262,731</b>
<b>Capital Expenditures</b>						
SW A8 DEV/FACILITY RELOCATION	(21,834,732)	(40,804,634)		(5,013,029)	-	-
SW CH AREA 7 CLOSURE	(6,356,369)	(12,001,833)		(19,247,260)	(579,971)	-
SW CH AREA 8 CLOSURE	432	432		(8,312,782)	(14,828,010)	(12,587,629)
SW CH AREA 9 DEVELOPMENT	-	-		(10,104,943)	(26,004,169)	(46,833,941)
Other Capital Projects	(3,069,182)	(6,452,515)		(20,770,752)	(649,123)	(28,240)
<b>Total Capital Expenditures</b>	<b>\$ (31,259,851)</b>	<b>\$ (59,258,550)</b>		<b>\$ (63,448,766)</b>	<b>\$ (42,061,273)</b>	<b>\$ (59,449,810)</b>
<b>Other Fund Transactions</b>						
<b>Ending Fund Balance</b>	<b>\$ 35,320,203</b>	<b>\$ 22,877,266</b>		<b>\$ 12,348,354</b>	<b>\$ 13,479,497</b>	<b>\$ 2,292,418</b>
<b>Fund Balance designated to current projects*</b>						
<b>Reserves<sup>1</sup></b>						
Post Closure Care	(35,320,203)	(22,877,266)		(12,348,354)	(13,479,497)	(2,292,418)
<b>Total Reserves</b>	<b>\$ (35,320,203)</b>	<b>\$ (22,877,266)</b>		<b>\$ (12,348,354)</b>	<b>\$ (13,479,497)</b>	<b>\$ (2,292,418)</b>
Projected Shortfall	-	-		-	-	-
<b>Ending Undesignated Fund Balance</b>	<b>\$ 0</b>	<b>\$ 0</b>		<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>

**Financial Plan Notes**

**CIP Budget Notes:**

All financial plans have the following assumptions, unless otherwise noted in below rows.

2017-2018 Carryover column reflects the best estimate of the inception to date budget balances at the end of the 2015-2016 biennium.

2019-2020 Proposed Budget ties to Hyperion.

2019-2020 Total Budget sums the carryover budget and the proposed budget.

Outyear revenue and expenditure budget assumptions tie to the outyears of the Attachment A, with exceptions explicitly noted.

Revenue note: In 2021-2022, SWD plans to request \$1.4M less in appropriation than the planned Transfer from Solid Waste Operating Fund 4040 for that biennium to better match planned expenditures. Transfers are planned to maintain smooth rate increases in the outyears.

**CIP Fund Financial Position:**

All financial plans have the following assumptions, unless otherwise noted in below rows.

Biennial to Date (BTD) expenditures and revenue reflect EBS totals for budgetary accounts as of May 2018.

2017-2018 Estimated reflects the best estimate for the biennium.

2019-2020 Estimated column reflects the best estimate for the biennium based on actuals.

Outyear revenue projections and expenditure estimates are based on the most recent projections and reflect current project plans

Reserve Notes:

1) Fund balance in this fund is reserved towards post-closure obligations at the Cedar Hills Regional Landfill.

\* Fund balance designated to current projects is for projects that are already appropriated. This fund balance cannot be used for other projects without disappropriating projects or creating a shortfall in the fund.

Last Updated 6/28/2018 by Ester Abenojar



# WASTEWATER TREATMENT DIVISION

## Mission

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We protect public health and enhance the environment by collecting and treating wastewater while recycling valuable resources for the Puget Sound region.

## Overview

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The Wastewater Treatment Division (WTD) is committed to protecting and improving water quality by providing wastewater collection and treatment for local sewer agencies – which the division has been doing for over 50 years. WTD serves about 1.7 million people within a 424-square-mile area, including most of King County and parts of south Snohomish County and northeast Pierce County.

WTD's regional system includes three large wastewater treatment plants (West Point in Seattle, South Plant in Renton, and Brightwater near Woodinville), two smaller wastewater treatment plants (Vashon Island and Carnation), a community septic system, combined sewer overflow treatment facilities, regulator stations, pump stations, and over 391 miles of sewer pipelines.

WTD employs almost 700 people who plan, design, build, and operate treatment facilities. WTD employees also enforce regulations to reduce harmful waste from entering the system and educate the public and businesses on ways to protect water quality.

To WTD, success means clean water. It means honoring WTD's legacy while keeping a promise to another generation that this beautiful environment will be there for them to enjoy. It also means being accountable to WTD's ratepayers and operating a well-managed agency.

The WTD Operating appropriation unit is A46100 and sits in Fund 000004611. The WTD Debt Service Fund is 000008920.

## Challenges, Opportunities, and Strategic Issues

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The following is a summary of key strategic issues and challenges facing WTD in its 2019-2020 biennial budget.

**Rate Affordability** WTD recognizes the cost of wastewater services may represent a substantial financial burden to some customers. This is particularly concerning given the sharp rise in regional housing costs including home ownership, rent, and utilities. WTD is looking at ways to mitigate affordability challenges for their ratepayers, including:

- Capacity Charge Affordability Study – to evaluate, recommend, and implement one or more changes to WTD’s capacity charge policies and practices to improve affordability and better address the needs of low-income customers.
- Water Quality Improvement Alternatives – WTD has multiple efforts in 2019-2020 that will assist the division in pursuing high impact, cost efficient water quality improvements. WTD will complete the 2019 Combined Sewer Overflow (CSO) Plan update in early 2019, continue coordination with the City of Seattle in capital project planning and operations optimization, and complete a comprehensive update to the CSO Long Term Control Plan.
- WTD will continue to seek creative operating efficiencies and lowest-cost capital financing.

**Capital Project Portfolio Management** Given that capital investments are expensive and affordability for ratepayers is a significant concern to the County, WTD launched a pilot Portfolio Management governance structure and prioritization process in 2017-2018 to ensure that investments are being made in the right projects at the right time to protect water quality in the region. WTD used the pilot Portfolio Management initiative to develop the 2019-2020 capital element of the wastewater rate and six year capital program, as well as to develop an ongoing portfolio management structure and function. This effort will continue in 2019-2020.

**Resiliency** In response to King County Executive’s 2013 “Resilient King County Initiative,” WTD developed a division Resiliency and Recovery Master Plan to address potential risks to the region’s wastewater infrastructure if a large-scale disruption occurred. WTD assessed the probable impacts associated with earthquake, landslide, flooding, or extreme weather events. These long-term plans are intended to proactively safeguard WTD employees and existing assets while providing continued wastewater treatment services to the Puget Sound region. In 2019-2020, WTD plans to make significant investments in asset management, including dedicated staff and continuation of its capital portfolio management effort.

**West Point Restoration** WTD has developed implementation plans addressing the recommendations of the various assessments, mandates, and reviews following the February 2017 flood at West Point. Numerous recommendations were completed in 2017 or will be completed in 2018. Several recommendations are complex in nature and are therefore scheduled for further study. The planning, design, implementation, and budgeting of these efforts will likely continue for many years. In 2019-2020, WTD will continue to implement restoration efforts including upgrading its West Point control system, implementing earthquake resiliency controls, and upgrading raw sewage pumps.

## 2019-2020 Priorities

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This section highlights WTD's relevant linkages to the King County Strategic Plan and Executive Priorities.

### Equity and Social Justice

WTD's ESJ committee coordinates closely with DNRP ESJ staff to build and implement a work plan that supports the County's ESJ strategic plan goals. Major activities include hiring a diverse and inclusive workforce and linking ESJ analysis with WTD's capital project portfolio management process.

WTD supports fairness, equity and inclusion among its employees. To that end, WTD has committed that all employees receive training in racial equity by the end of 2018. WTD's goal is to ensure its workplace culture is one where everyone is treated with respect. In 2019-2020, WTD will continue training to enhance employees' understanding of the concepts of racism and privilege and how those issues appear in the workplace.

### Investing In You

WTD has learned that one of the most effective methods for employee development is to provide hands-on work experience that links training with opportunities to apply and develop critical thinking as well as interpersonal and leadership skills. While many different workforce development plan strategies contributed to WTD's progress, in a survey among WTD supervisors, four specific strategies stood out as yielding the best results:

- Creating longer-term Special Duty Assignments, reclassifying an employee's body of work and pay to fill a vacancy and meet emerging needs;
- Assigning employees to short term Special Projects (this includes charitable giving campaigns, short-term projects, and committee assignments) to create opportunities for them to develop new skills;
- Hiring in selected positions early so that the new employee can job shadow and be mentored by the employee who will be retiring; and
- Hiring staff at entry-level positions to create opportunities for existing employees to lead and mentor new employees.

In 2019-2020 WTD will continue these strategies and continue investments in its operator-in-training program, as well as succession planning, training, and employee development.

### Strategic Climate Action Plan

WTD prepares for climate change by evaluating infrastructure and operating strategies and looking at sea level rise and precipitation at its facilities. Over the next several years, WTD will evaluate and implement strategies that build resiliency and sustainability into current and future developments and expansions. Some of the investments in the next biennium include:

- **Recycled Water** In 2019-2020, WTD will work with operations and capital program staff to improve the delivery of recycled water to ensure continued recycled water permit renewal, report on annual results, support existing customers, and seek new customers near existing infrastructure.
- **Loop® Biosolids** Currently, WTD is looking at opportunities for optimizing Loop biosolids value, assessing barriers and risks with the current program, and evaluating options for Class A or B

biosolids products. In 2019-2020, WTD will initiate decision-making on capital investments to ensure that the biosolids program meets the future needs of customers and the County.

- **Energy** Because WTD's facilities are the biggest energy consumer of all King County facilities, the division is evaluating the strengths and weaknesses of the current energy program. Over the next several years, WTD will develop a roadmap to increase energy awareness across the division, guide decision-making on energy investments, and prioritize near-term and long-term energy-related actions.
- **Sustainability** In order to address climate change and help to increase sustainability of the King County region, WTD created a Sustainability Program, built a robust division-wide Sustainability Team, and developed processes and sustainability strategies in its capital program. WTD continues to refine processes, support efforts, and develop tools and trainings that help meet its goals and targets outlined in the King County Green Building Ordinance and the 2015 King County Strategic Climate Action Plan (SCAP).

### Best Run Government

WTD has invested significant effort in creating a culture of continuous improvement. In 2019-2020 WTD will continue to build upon its existing programs such as the employee idea program (Bright Ideas), as well as Lean process improvements to eliminate non-value added activities. Since the start of the Bright Ideas program in 2013, over 1,000 ideas to create a more efficient, productive workplace have been submitted. In the next few years, WTD will be revisiting the program's tracking tool to link it with lean methodologies as well as streamline its use for employees. WTD will continue the popular annual employee recognition awards for creative and impactful ideas.

For WTD's Lean process improvements, the division will maintain improvements gained through past events, as well as introduce Lean to new work teams. WTD launched an effort to streamline capital project delivery processes in 2014 and has seen positive results in saving significant amounts of time in various phases of project delivery. Lean improvement processes are now being utilized by many teams across the division. WTD's 2019-2020 Lean efforts will focus efforts heavily on the operations staff.

In addition to WTD's investments in these strategic priorities, WTD will also play a key role in the **Clean Water, Healthy Habitat Initiative**. WTD will invest an additional \$170 million to control CSOs in 2019-2020. WTD will also allocate \$3 million to assess and implement high impact water quality investments.

**2019-2020 Proposed Financial Plan**  
**WTD Consolidated / 000004611, 8920, 3611, 3612**

Category	2017-2018 Estimated	2019-2020 Proposed	2021-2022 Projected	2023-2024 Projected
<b>Beginning Fund Balance</b>	<b>\$ 553,927,791</b>	<b>495,074,854</b>	<b>372,360,691</b>	<b>359,663,498</b>
<b>Revenues</b>				
Sewage Disposal Fees	805,884,366	835,904,000	884,353,097	926,338,316
Capacity Charge	158,237,552	168,391,000	193,778,507	214,482,710
Other Operating Revenues	32,264,831	29,199,390	30,302,950	31,432,186
Investment Income	13,479,000	15,149,000	20,685,000	24,712,000
Bond Proceeds (net)	203,150,250	137,702,250	325,954,814	286,536,860
Insurance Recoveries	17,010,657	-	-	-
SRF/PW Loans, Other	56,351,000	27,680,000	1,000,000	1,000,000
Biomethane RIN Revenues for Capital		6,662,731	3,491,105	5,559,616
<b>Total Revenues</b>	<b>1,286,377,656</b>	<b>1,220,688,371</b>	<b>1,459,565,473</b>	<b>1,490,061,688</b>
<b>Expenditures</b>				
<i>Salaries &amp; Benefits</i>	(105,347,484)	(111,790,749)	(120,766,463)	(134,077,997)
<i>Supplies</i>	(35,882,733)	(44,350,993)	(47,912,292)	(53,193,444)
<i>Services</i>	(83,281,222)	(84,509,335)	(91,295,271)	(101,358,330)
<i>Intragovernmental &amp; other</i>	(75,432,294)	(89,817,225)	(97,029,374)	(107,724,477)
<i>Waterworks Grant</i>	(7,875,267)	(5,031,698)	(5,436,600)	(6,035,852)
Operating Expenditures	(307,819,000)	(335,500,000)	(362,440,000)	(402,390,100)
Capital Construction Fund 3611	(392,784,078)	(487,346,203)	(544,332,000)	(490,751,000)
Internally Financed Capital 3612	(7,849,719)	(2,514,528)	(2,291,105)	(5,559,616)
Debt Service (includes defeasance supplemental)	(649,737,510)	(536,608,266)	(569,739,267)	(602,049,065)
<b>Total Expenditures</b>	<b>(1,358,190,307)</b>	<b>(1,361,968,997)</b>	<b>(1,478,802,372)</b>	<b>(1,500,749,781)</b>
<b>Estimated Underexpenditures</b>	-	-	-	-
<b>Other Fund Transactions</b>				
Variable Rate Debt Amortization	(2,605,291)	(3,653,544)	(13,150,302)	(25,256,111)
Variable Rate Cash Adjustment	15,565,005	22,220,007	19,690,007	18,260,006
<b>Total Other Fund Transactions</b>	<b>12,959,714</b>	<b>18,566,463</b>	<b>6,539,705</b>	<b>(6,996,105)</b>
<b>Ending Fund Balance</b>	<b>495,074,854</b>	<b>372,360,691</b>	<b>359,663,498</b>	<b>341,979,299</b>
<b>Reserves</b>				
Rate Stabilization Reserve <sup>1</sup>	(46,250,000)	(46,250,000)	(31,850,000)	(12,000,000)
Liquidity Reserve <sup>2</sup>	(15,962,000)	(16,813,418)	(18,564,000)	(20,746,810)
Emergency Capital Reserve 3611 <sup>3</sup>	(16,680,000)	(15,000,000)	(15,000,000)	(15,000,000)
Construction Cash Balance Reserve 3611	(5,000,000)	(5,000,214)	(5,000,140)	(5,000,291)
Parity Bond Reserve	(149,845,650)	(133,711,400)	(158,437,876)	(179,357,851)
SRF Reserve	(12,872,800)	(13,666,100)	(12,898,821)	(12,137,380)
<b>Total Reserves</b>	<b>(246,610,450)</b>	<b>(230,441,132)</b>	<b>(241,750,837)</b>	<b>(244,242,332)</b>
Reserve Shortfall	-	-	-	-
<b>Ending Undesignated Fund Balance</b>	<b>248,464,404</b>	<b>141,919,560</b>	<b>117,912,661</b>	<b>97,736,967</b>

**Financial Plan Notes**

All financial plans have the following assumptions, unless otherwise noted in below rows.

Revenues Notes:

2019-2020 revenues from Hyperion estimates as of 9/5/2018.

Sewage disposal fees, capacity charge revenues and other operating revenues after 2020 from financial plan presented with sewer rate ordinance 18745 adopted on 6/11/18.

Other Operating Revenue includes \$1.273M of RINs revenue to be used in operating, escalated at 4% annually in subsequent bienniums.

Insurance Recoveries includes \$15M from the final Brighwater Settlement and additional insurance recoveries.

Expenditure Notes:

2017-2018 Estimated based on 2017-2018 actuals and an estimate for the remainder of 2018.

Debt service for 2017-2018 Estimated includes the supplemental to defease bonds with the Brightwater settlement.

Other Fund Transactions:

Variable rate cash adjustment represents the excess of variable rate expense for budget purposes over the variable rate expense used to determine operating fund transfer and the annual sewer rate.

Reserve Notes:

<sup>1</sup> As established by Ordinance 12314, Section 13.D. Allows WTD to include withdrawals from the fund as Revenues under its Bond Ordinance. Balance is available to reduce projected rate increases in 2022 and 2023.

<sup>2</sup> 15% of operating expenses as authorized by Motion 13798 of December 11, 2012, less \$5.0 million portion included in Construction Fund.

<sup>3</sup> Emergency Capital Reserve authorized by Motion 13798 of December 11, 2012. To be used for unanticipated system repairs or equipment replacement in the event of a natural disaster or some unforeseen system failure. Emergency Capital Reserve 3611 in 2017-2018 includes \$1.68M remainder of Brightwater Settlement funds after the proposed bond defeasance.

9/5/18, Dan Kaplan

**2019-2020 Executive Proposed Operating Budget  
WASTEWATER TREATMENT (EN\_A46100)**

<b>Operating Budget Summary</b>	<b>Expenditures</b>	<b>Revenues</b>	<b>Reg FTE</b>	<b>TLT</b>
<b>2017-2018 Revised Budget</b>	<b>321,236,928</b>	<b>987,213,158</b>	<b>623.7</b>	<b>17.0</b>
Base Budget Adjustments	(3,431,025)	(7,605,704)	0.0	0.0
Decision Package Adjustments	17,694,111	69,035,935	30.0	(10.0)
<b>2019-2020 Executive Proposed Budget</b>	<b>335,500,014</b>	<b>1,048,643,389</b>	<b>653.7</b>	<b>7.0</b>
<b>2019-2020 Executive Proposed Ordinance</b>	<b>335,501,000</b>	<b>1,048,644,000</b>	<b>653.7</b>	<b>18.0</b>

**Notes**

1. The 2017-2018 Revised Budget equals the 2017-2018 Adopted Biennial Budget plus all Adopted Supplementals as of the publication of this document.

2. Adjust base budget to remove one-time changes, annualize supplemental changes, and increase personnel budgets to 2019-2020 rates. Personnel budgets reflect projected 2019-2020 salary and benefit rates, current position classifications, and step/merit increases.

3. The Executive Proposed Budget is the sum of the Revised Budget, Base Budget Adjustments, and Decision Package Adjustments. All FTEs / TLTs are rounded to the nearest 1/10th of a position and in some cases, rounded numbers may not add up to the FTE/TLT totals in Executive Proposed. In the Executive Proposed Ordinance, expenditure and revenue totals are rounded up to the nearest 1,000 and FTEs and TLTs are rounded up to the maximum monthly FTEs / TLTs in the Biennium.

<b>Decision Package Adjustment Detail</b>	<b>Expenditures</b>	<b>Revenues</b>	<b>Reg FTE</b>	<b>TLT</b>
<b>Direct Service Changes</b>				
(DS_001) Waterworks Grant Staffing Add a Water Quality Planner FTE (replacing TLT) for the WaterWorks Grant Program (WWGP) to develop and maintain a website, database, and an invoice reporting system. This FTE will be funded from the Water Works Grant Program.	(1,041)	0	1.0	0.0
(DS_002) Transfers 4 FTEs From KCIT GIS to WTD Transfer matrixed employees from King County Information Technology Geographic Information Systems (KCIT GIS) to Wastewater to support WTD's business-specific needs.	64,423	0	4.0	0.0
(DS_003) RINS-Sale from Biogas Project Continue the production and sale of Biomethane and Renewable Identification Numbers (RINs), while contributing to the County's efforts to reduce greenhouse gas emissions and enhance energy efficiency.	816,000	1,273,000	0.0	0.0
(DS_004) West Point Energy Cogeneration Facility Maintenance Add annual maintenance funds for West Point Treatment energy cogeneration facility. This is critical to ensure the facility is fully operational to generate annual revenue from the sale of electricity to Seattle City Light.	1,428,000	3,629,150	0.0	0.0

**2019-2020 Executive Proposed Operating Budget  
WASTEWATER TREATMENT (EN\_A46100)**

<b>Decision Package Adjustment Detail</b>	<b>Expenditures</b>	<b>Revenues</b>	<b>Reg FTE</b>	<b>TLT</b>
(DS_005) Resource Recovery Projects Add a biosolids pilot project (\$835,000) and a virus study (\$100,000) in Wastewater's Resource Recovery Section.	935,000	0	0.0	0.0
(DS_006) Increase Transfer to Water and Land Resources Division to Support Additional Staff Add support for an additional 1.5 FTEs in the Water and Land Resources Division's (WLRD) Environmental Laboratory (EL).	823,000	0	0.0	0.0
(DS_007) Staffing and Resources for Human Resources and System Planning Request 2 FTEs, consultant services, and responsiveness and administrative services programs in Wastewater. This request includes a human resource analyst, a water quality planner, and resources for system planning, and implementation of the capacity charge studies.	391,654	0	2.0	0.0
(DS_008) Operations Team Staffing and Resources Provide staffing resources to support the new Georgetown Wet Weather Treatment Facility and create a dual-purpose operations team to provide additional support during the wet weather season and support at West Point during the dry construction and maintenance period. This request also adds funding for a de-foaming chemical which will reduce digester foaming.	2,219,932	0	13.0	0.0
(DS_009) Decennial Flow Monitoring Staff Add 6 TLTs which will enable WTD to meet the decennial flow monitoring requirements specified in Ordinance No. 16033. This provides the information needed to understand changes in flow and how flows correlate with population growth for long term planning across the regional wastewater system.	28,754	0	0.0	6.0
(DS_031) Flood Hazard Management Plan (FHMP) Update the 2020 King County Flood Hazard Management Plan (FHMP), including a review and update of policies and risks, stakeholder process, report of accomplishments, and identification of new actions. This proposal is funded with the Surface Water Management fee and transfers from Roads Services and Wastewater divisions.	75,000	0	0.0	0.0
(DS_120) Central Climate Change Costs Update Adjust the share of the central climate-related costs for 2019-2020; these costs include investments to advance the Strategic Climate Action Plan (SCAP), membership fees in climate related organizations, consulting fees, an update to the 2020 SCAP, as well as central staff to help agencies across the County with climate related activities. The allocation methodology is based on greenhouse gas emissions.	7,872	0	0.0	0.0
<b>Administrative Service Changes</b>				

**2019-2020 Executive Proposed Operating Budget  
WASTEWATER TREATMENT (EN\_A46100)**

<b>Decision Package Adjustment Detail</b>	<b>Expenditures</b>	<b>Revenues</b>	<b>Reg FTE</b>	<b>TLT</b>
(AC_001) Wastewater Treatment Division Efficiencies Implement cost savings due to the identification of operational efficiencies.	(281,000)	0	0.0	0.0
(AC_002) Follow Up to Racial Equity Training Fund additional Equity and Social Justice (ESJ) training as part of the WTD ESJ training plan. This is a mandatory training for all WTD staff.	100,000	0	0.0	0.0
(AC_003) Capacity Charge Affordability and Low Income Customer Assistance Add resources to provide continued consultant support to complete Wastewater's (WTD) capacity charge affordability and low income assistance recommendations. This effort will inform WTD's 2020 capacity charge proposal.	100,000	0	0.0	0.0
(AC_004) Employee and Workforce Development Enhance Wastewater's Investing In You commitments to its workforce including investments related to special duty opportunities, special project opportunities, succession planning, and more.	483,721	0	0.0	0.0
(AC_005) Expand Operator In Training Program Expand Wastewater's Operator-In-Training Program from 13 to 15 candidates.	340,000	0	0.0	0.0
(AC_006) Operator Training Certification Enhance Wastewater's Investing In You commitments to its workforce. Investments include professional development opportunities for operational staff, licenses, and more.	202,000	0	0.0	0.0
(AC_007) Carbon and Energy Fund Implement energy efficiency projects at WTD facilities to ensure that Wastewater (WTD) achieves Strategic Climate Action Plan goals, targets and priority actions.	880,000	0	0.0	0.0
(AC_008) Tree Planting Invest in tree planting and subsequent maintenance to ensure that Wastewater achieves Strategic Climate Action Plan goals, targets and priority actions.	272,116	0	0.0	0.0
(AC_009) Staffing Due to New Construction & Capacity Improvements Add staff support to new, mandated Uniform Relocation Assistance and Real Property Acquisition Policy Act requirements. This new requirement requires agencies to provide increased relocation advisory services to all displaced individuals and businesses and will impact the delivery and implementation of WTD's Capital Improvement Program (CIP).	6,312	0	1.0	0.0

**2019-2020 Executive Proposed Operating Budget  
WASTEWATER TREATMENT (EN\_A46100)**

<b>Decision Package Adjustment Detail</b>	<b>Expenditures</b>	<b>Revenues</b>	<b>Reg FTE</b>	<b>TLT</b>
(AC_010) Asset Management Staffing and Resources Add staffing and equipment maintenance resources to implement recommendations highlighted in Wastewater's Asset Management Program Evaluation. This was prepared in response to Council Motion 14883 requiring an evaluation and report on the current status of WTD's Asset Management Program (AMP) and Strategic Asset Management Plan (SAMP).	3,541,482	0	9.0	0.0
(AC_083) Department of Local Services Cost Allocation Fund the Department of Local Services (DLS) Director's Office based on the agency's operating expenditures in unincorporated King County.	(137,957)	0	0.0	0.0
(AC_084) Organizational Development Centralization Centralize resources for organizational development programs within the newly established Department of Human Resources (DHR). Agencies will receive organizational development services addressing healthy conflict engagement, leadership development, and workplace culture. DHR will recover costs for these services through the General Fund Overhead rate, with corresponding reductions made in agency consulting services accounts.	(207,000)	0	0.0	0.0
<b>Technical Adjustments</b>				
(TA_001) Director's Office Adjustments Adjust various accounts in WTD's Director's Office section that were included in the 2017-2018 sewer rate. Included in these adjustments are labor adjustments and a general inflation increase to supply and service accounts.	(622,905)	0	0.0	0.0
(TA_002) Finance and Administration Adjustments Adjust various accounts in WTD's Finance and Administrative Services Section that were forecasted in the 2019-2020 sewer rate. Included in these adjustments are labor adjustments and a general inflation increase to supply and service accounts, follow-up action from Rate and Affordability studies, and increased services for Capacity Charge.	(619,818)	0	0.0	0.0
(TA_003) Central Services Adjustments Balance to the sewer rate and zero out the Central Services Capital Improvement Program budget.	293,984	0	0.0	0.0
(TA_004) South Plant Operations Adjustments Adjust various accounts in WTD's South Plant Operations that were forecasted in the 2019-2020 sewer rate. Included in these adjustments are labor adjustments and a general inflation increase to supply and service accounts.	2,746,603	0	0.0	0.0

**2019-2020 Executive Proposed Operating Budget  
WASTEWATER TREATMENT (EN\_A46100)**

<b>Decision Package Adjustment Detail</b>	<b>Expenditures</b>	<b>Revenues</b>	<b>Reg FTE</b>	<b>TLT</b>
(TA_005) Brightwater Operations Adjustments Adjust various accounts in WTD's Brightwater Operations that were included in the 2017-2018 sewer rate. Included in these adjustments are labor adjustments and a general inflation increase to supply and service accounts, as well as net-zero changes for right-sizing accounts in supplies and services.	2,344,013	0	0.0	0.0
(TA_006) West Point Operations Adjustments Adjust various accounts in WTD's West Point Operations that were included in the 2017-2018 sewer rate. Included in these adjustments are labor adjustments and a general inflation increase to supply and service accounts, as well as net-zero changes for right-sizing accounts in supplies and services.	2,681,905	0	0.0	0.0
(TA_007) Resource Recovery Adjustments Adjusts various accounts in WTD's Resource Recovery that were included in the 2017-2018 sewer rate. Included in these adjustments are labor adjustments and a general inflation increase to supply and service accounts, as well as net-zero changes for right-sizing accounts in supplies and services.	303,814	0	0.0	0.0
(TA_008) Environmental & Community Services Adjustments Adjust various accounts in WTD's Environmental & Community Services that were included in the 2017-2018 sewer rate. Included in these adjustments are: labor adjustments and a general inflation increase to supply and service accounts, as well as net-zero changes for right-sizing accounts in supplies and services.	602,647	0	0.0	0.0
(TA_009) Project Planning & Delivery Adjustments Adjust various accounts in WTD's Project Planning & Delivery Management Services Section that were forecasted in the 2019-2020 sewer rate. Included in these adjustments are labor adjustments and a general inflation increase to supply and service accounts.	(780,690)	0	0.0	0.0
(TA_010) TLT Reconciliation Adjustment Adjust 2018 Adopted TLTs based on 2019-2020 Biennium needs.	(2,097,968)	0	0.0	(16.0)
(TA_050) Revenue Adjustment Revise budgeted revenues to match current forecast.	0	64,133,785	0.0	0.0
(TA_113) Vacancy Rate Adjustment Capture salary savings from employee turnover, without reducing the FTE authority, to increase the accuracy of labor budgeting for this appropriation unit and provide greater transparency.	(2,614,030)	0	0.0	0.0
<b>Central Rate Adjustments</b>	<b>3,368,288</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>
<b>Total Decision Package Adjustments</b>	<b>17,694,111</b>	<b>69,035,935</b>	<b>30.0</b>	<b>(10.0)</b>

**2019-2020 Proposed Financial Plan  
WTD Operating Fund 4611 / 000004611**

<b>Category</b>	<b>2017-2018 Estimated</b>	<b>2019-2020 Proposed</b>	<b>2021-2022 Projected</b>	<b>2023-2024 Projected</b>
<b>Beginning Fund Balance</b>	<b>\$ 129,723,257</b>	<b>170,981,552</b>	<b>171,832,955</b>	<b>159,183,537</b>
<b>Revenues</b>				
Sewage Disposal Fees	805,884,366	835,904,000	884,353,097	926,338,316
Capacity Charge	158,237,552	168,391,000	193,778,507	214,482,710
Other Operating Revenues	32,264,831	29,199,390	30,302,950	31,432,186
Investment Income	13,479,000	15,148,999	20,685,000	24,712,000
<b>Total Revenues</b>	<b>1,009,865,749</b>	<b>1,048,643,389</b>	<b>1,129,119,554</b>	<b>1,196,965,212</b>
<b>Expenditures</b>				
Salaries & Benefits	(105,347,484)	(111,790,749)	(120,766,463)	(134,077,997)
Supplies	(35,882,733)	(44,351,007)	(47,912,292)	(53,193,444)
Services	(83,281,222)	(84,509,335)	(91,295,271)	(101,358,330)
Intragovernmental & other	(75,432,294)	(89,817,225)	(97,029,374)	(107,724,477)
Waterworks Grant	(7,875,267)	(5,031,698)	(5,436,600)	(6,035,852)
<b>Total Expenditures</b>	<b>(307,819,000)</b>	<b>(335,500,014)</b>	<b>(362,440,000)</b>	<b>(402,390,100)</b>
<b>Estimated Underexpenditures</b>	<b>-</b>			
<b>Other Fund Transactions</b>				
Transfers to Capital (3611)	(159,419,939)	(194,249,695)	(216,129,410)	(203,197,131)
Transfers to Capital (3612)	(7,849,719)			
Transfers to Debt Service (8920)	(493,518,796)	(518,042,278)	(563,199,562)	(609,045,169)
<b>Total Other Fund Transactions</b>	<b>(660,788,454)</b>	<b>(712,291,973)</b>	<b>(779,328,972)</b>	<b>(812,242,301)</b>
<b>Ending Fund Balance</b>	<b>170,981,552</b>	<b>171,832,955</b>	<b>159,183,537</b>	<b>141,516,347</b>
<b>Reserves</b>				
Rate Stabilization Reserve <sup>1</sup>	(46,250,000)	(46,250,000)	(31,850,000)	(12,000,000)
Liquidity Reserve <sup>2</sup>	(15,962,000)	(16,813,418)	(18,564,000)	(20,746,810)
<b>Total Reserves</b>	<b>(62,212,000)</b>	<b>(63,063,418)</b>	<b>(50,414,000)</b>	<b>(32,746,810)</b>
Reserve Shortfall	-	-	-	-
<b>Ending Undesignated Fund Balance</b>	<b>108,769,552</b>	<b>108,769,537</b>	<b>108,769,537</b>	<b>108,769,537</b>

**Financial Plan Notes**

All financial plans have the following assumptions, unless otherwise noted in below rows.

2017-2018 Estimated reflects the best estimate for the biennium.

2019-2020 Proposed Budget ties to Hyperion and matches 2019-2020 Estimated until 2019 actuals are available.

Outyear revenue and expenditure inflation assumptions are consistent with figures provided by PSB and/or OEFA.

Revenues Notes:

2019-2020 revenues from Hyperion estimates as of 9/5/2018.

Sewage disposal fees, capacity charge revenues and other operating revenues after 2020 from financial plan presented with sewer rate ordinance 18745 adopted on 6/11/18.

Other Revenue includes RIN revenues submitted through Hyperion: \$1.273M, escalated at 4% annually in subsequent bienniums.

Expenditure Notes:

8/31/2018

2017-2018 Biennium based on 2017 actuals, page 55 of audit and estimate for 2018.

2018-2019 expenditures WTD numbers as of 8/28/18.

Other Fund Transactions:

Transfers to Capital and Debt Service include interest earnings in those funds.

Reserve Notes:

<sup>1</sup> As established by Ordinance 12314, Section 13.D. Allows WTD to include withdrawals from the fund as Revenues under its Bond Ordinance. Balance is available to reduce projected rate increases in 2022 and 2023.

<sup>2</sup> 15% of operating expenses as authorized by Motion 13798 of December 11, 2012, less \$5.0 million portion included in Construction Fund.

9/5/18, Dan Kaplan

8/31/2018

**2019-2020 Executive Proposed Operating Budget  
WASTEWATER DEBT SERVICE (EN\_A46300)**

<b>Operating Budget Summary</b>	<b>Expenditures</b>	<b>Revenues</b>	<b>Reg FTE</b>	<b>TLT</b>
<b>2017-2018 Revised Budget</b>	<b>536,056,519</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>
Base Budget Adjustments	7,772,361	0	0.0	0.0
Decision Package Adjustments	(7,220,614)	0	0.0	0.0
<b>2019-2020 Executive Proposed Budget</b>	<b>536,608,266</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>
<b>2019-2020 Executive Proposed Ordinance</b>	<b>536,609,000</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>

**Notes**

1. The 2017-2018 Revised Budget equals the 2017-2018 Adopted Biennial Budget plus all Adopted Supplementals as of the publication of this document.

2. Adjust base budget to remove one-time changes, annualize supplemental changes, and increase personnel budgets to 2019-2020 rates. Personnel budgets reflect projected 2019-2020 salary and benefit rates, current position classifications, and step/merit increases.

3. The Executive Proposed Budget is the sum of the Revised Budget, Base Budget Adjustments, and Decision Package Adjustments. All FTEs / TLTs are rounded to the nearest 1/10th of a position and in some cases, rounded numbers may not add up to the FTE/TLT totals in Executive Proposed. In the Executive Proposed Ordinance, expenditure and revenue totals are rounded up to the nearest 1,000 and FTEs and TLTs are rounded up to the maximum monthly FTEs / TLTs in the Biennium.

<b>Decision Package Adjustment Detail</b>	<b>Expenditures</b>	<b>Revenues</b>	<b>Reg FTE</b>	<b>TLT</b>
<b>Technical Adjustments</b>				
(TA_001) Debt Service Adjustment Adjust the debt service requirement for parity debt and subordinate debt based on assumptions that support the 2019-2020 sewer rate.	(7,220,614)	0	0.0	0.0
<b>Total Decision Package Adjustments</b>	<b>(7,220,614)</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>

**2019-2020 Proposed Financial Plan**  
**Water Quality Revenue Bond Fund 8920 / 000008920, 000008921, 000008922**

<b>Category</b>	<b>2017-2018 Estimated</b>	<b>2019-2020 Proposed</b>	<b>2021-2022 Projected</b>	<b>2023-2024 Projected</b>
<b>Beginning Fund Balance</b>	<b>\$ 60,734,029</b>	<b>60,734,029</b>	<b>60,734,504</b>	<b>60,734,504</b>
<b>Revenues</b>				
<b>Total Revenues</b>	-	-	-	-
<b>Expenditures</b>				
Debt Service	(506,478,510)	(536,608,266)	(569,739,267)	(602,049,065)
Brightwater supplemental	(143,259,000)			
<b>Total Expenditures</b>	<b>(649,737,510)</b>	<b>(536,608,266)</b>	<b>(569,739,267)</b>	<b>(602,049,065)</b>
<b>Estimated Underexpenditures</b>	-			
<b>Other Fund Transactions</b>				
Variable Rate Debt Amortization	(2,605,291)	(3,653,544)	(13,150,302)	(25,256,111)
Variable Rate Cash Adjustment <sup>1</sup>	15,565,005	22,220,007	19,690,007	18,260,006
Transfers from Operating (4611)	493,518,796	518,042,278	563,199,562	609,045,169
Supplemental Brightwater Transfer from 3611	143,259,000			
<b>Total Other Fund Transactions</b>	<b>649,737,511</b>	<b>536,608,741</b>	<b>569,739,267</b>	<b>602,049,064</b>
<b>Ending Fund Balance</b>	<b>60,734,029</b>	<b>60,734,504</b>	<b>60,734,504</b>	<b>60,734,504</b>
<b>Reserves<sup>2</sup></b>				
Parity Bond Reserve <sup>3</sup>	(149,845,650)	(133,711,400)	(158,437,876)	(179,357,851)
SRF Reserve <sup>4</sup>	(12,872,800)	(13,666,100)	(12,898,821)	(12,137,380)
<b>Total Reserves</b>	<b>(162,718,450)</b>	<b>(147,377,500)</b>	<b>(171,336,696)</b>	<b>(191,495,230)</b>
Reserve Shortfall	101,984,421	86,642,996	110,602,192	130,760,726
<b>Ending Undesignated Fund Balance</b>	-	-	-	-

**Financial Plan Notes**

All financial plans have the following assumptions, unless otherwise noted in below rows.

2017-2018 Estimated reflects the best estimate for the biennium.

2019-2020 Proposed Budget ties to Hyperion and matches 2019-2020 Estimated until 2019 actuals are available.

Outyear revenue and expenditure inflation assumptions are consistent with figures provided by PSB and/or OEFA.

Revenues Notes:

This fund does not have any budgeted revenues.

Expenditure Notes:

The Brightwater transfer is pending council approval.

Other Fund Transactions Notes:

Transfers from Operating include interest earnings in funds 8920, 8921 and 8922.

<sup>1</sup> Represents the excess of variable rate expense for budget purposes over the variable rate expense used to determine operating fund transfer and the annual sewer rate.

Reserve Notes:

<sup>2</sup> Reserves are maintained in funds 8921 and 8922 but are shown here in 8920.

<sup>3</sup> Parity Bond Reserve under Ordinance 18587 of October 23, 2017. Requires a reserve equal to maximum annual debt service on outstanding parity bonds.

<sup>4</sup> Reserves required by loan agreements with the Dept. of Ecology. See Ordinance 18020 for SRF loans approved in 2015. Reserve is equal to the annual debt payment on each loan and must be maintained through the final maturity date of the loan.

As an enterprise fund, balances in other funds may offset reserve shortfalls in one fund. In other words, the reserve shortfall in this fund does not indicate a true reserve shortfall.

9/5/18, Dan Kaplan

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Wastewater Treatment, Fund: All, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3611 WATER QUALITY CONST-UNRES - Wastewater Treatment				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1037498	<b>WTC STRUCTURE SITE IMPROVEMENT PROGRAMMATIC</b>		\$10,472,222	<p><b>Current Scope:</b> Structures / Site Improvement: These projects are focused on making modifications, improvements, or upgrades to the structures, buildings, and property owned by the Wastewater Treatment Division (WTD). For example, roof replacements, repairing structural damage to facilities, and adding fencing or gates to WTD property. Other improvements may be made to bring the structures up to current code, increase safety, or minimize vandalism. The Roll-Up Project funds a number of sub-projects that vary in value but are generally less than \$1,000,000 total project cost although they may range up to \$2,500,000 total project cost. The number of sub-projects fluctuates as projects are completed and new sub-projects are added through the project work request (PWR) process. As a result sub-projects contained within this Roll-Up project are in various phases from planning, design and through construction. In addition, the Roll-Up project is sometimes used to initiate upgrade or replacement projects throughout the year that may later develop into stand alone projects with their own project numbers. This Roll-up project contains the sub-project Sustainable Education Every Day (SEED) Classroom. This project will provide a dedicated facility on the South Treatment Plant grounds for educational program activities. The facility will be pre-fabricated and meet full Living Building Challenge (LBC) certification requirements. The facility will be used by the WTD Education Unit and community partners to provide educational programs and workshops for students, teachers and the general public."</p> <p><b>Budget Request Basis:</b> The appropriation request is based on analysis of project schedule, spending, contingency, budget carryover amount and the timing of property acquisition and implementation contracting.</p>
1037513	<b>WTC BIOSOLIDS TRANSP STANDALONE</b>		\$0	<p><b>Current Scope:</b> Biosolids Transportation: This project is needed to ensure the right equipment is consistently available. Major repairs like engines transmission, and drive trains are required as the equipment reaches their life expectancy. All of our equipment is needed to meet the daily needs of our 5 treatment plants. The dump trucks and pup trailers along with our end dumps and tankers are used to haul biosolids, grit, screenings and liquids from the plants to the many reuse sites we currently serve. During the useful life of the equipment major repairs and sometimes replacement of some pieces maybe required.</p> <p><b>Budget Request Basis:</b> The appropriation request is based on analysis of project spending and budget carryover amount.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Wastewater Treatment, Fund: All, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3611 WATER QUALITY CONST-UNRES - Wastewater Treatment				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1037543	<b>WTC BRIGHTWATER RECLAIMED WATER PIPELINE</b> STANDALONE	✓	(\$2,939,666)	<p><b>Current Scope:</b> Brightwater Reclaimed Water Pipeline: A conveyance system will be developed to convey reclaimed water from the Brightwater site to a number of water reuse opportunities. Issues critical to the success of the reclaimed water component of the Brightwater Project are: a) Minimizing cost, b) Optimizing the project schedule, c) Meeting stakeholder and County commitment and, d) Minimizing risk. Given that the Brightwater Treatment Plant will produce effluent that, except for disinfection, meets the requirements for Class A reclaimed water, reclaimed water will be conveyed from the Brightwater Treatment Plant to the Sammamish Valley and other potential customers via the following: 1) A new pipeline from the North Creek Portal and Influent Pump Station to North Creek Pump Station, 2) Use of one of the existing North Creek forcemains to transport reclaimed water to the Sammamish Valley, 3) New local distribution piping to reclaimed water customers specifically in the Sammamish Valley area, and 4) Facilities in the Brightwater Tunnel and at one or more effluent portal sites to ultimately serve potential reclaimed water customers west of the North Creek Portal in Bothell. Modifications to the Ballinger Portal for future removal of membrane effluent because of changes to the Tunnel configure were developed. The reconfiguration of the BT3 tunnel removes the dedicated reclaimed water pipes between North Kenmore and Ballinger Way portals. This allows Brightwater conveyance start-up at least three months sooner at considerable savings to the project. This approach remains consistent with reclaimed water comprehensive planning process and is supported by the regulators.</p> <p><b>Budget Request Basis:</b> Disappropriate remaining balance.</p>
1037545	<b>WTC BELLEVUE INFLUENT TRUNK IMPROVEMENTS</b> STANDALONE	✓	(\$2,848,873)	<p><b>Current Scope:</b> Bellevue Influent Trunk Improvements: -Abandon the existing Bellevue Influent Trunk (BIT) sewer and design and construct 1,600 lineal-feet of new replacement BIT trunk sewer, ranging in diameter from 18 to 42 inches, designed to convey to the projected year of 2050, 20-year peak flows of 17.71 million gallons per day. -Partner with the City of Bellevue, at their cost, to design and construct a 635 lineal-foot section of 24-inch pipe, to form a new upstream connection of their West Central Business District trunk to the new BIT.</p> <p><b>Budget Request Basis:</b> Disappropriate remaining balance.</p>
1037549	<b>WTC CAPITAL PROJECT OVERSIGHT</b> STANDALONE		\$347,854	<p><b>Current Scope:</b> Council Auditor Capital Project Oversight</p> <p><b>Budget Request Basis:</b> This budget request goes towards the CPO auditor allocation. Amounts come from PSB.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Wastewater Treatment, Fund: All, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3611 WATER QUALITY CONST-UNRES - Wastewater Treatment				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1037588	<b>WTC SP POWER EQUIPMENT REPLACEMENT</b> STANDALONE	✓	(\$3,636,063)	<p><b>Current Scope:</b> EDRP - POWER EQUIPMENT REPLACEMENT: Work for this project takes place at the South Treatment Plant formally known as the East Division Reclamation Plant. The project will remove and replace 480-volt motor control centers in area control centers 1, 2, and 3; secondary control building; administration building; chlorine building; pump building; maintenance building; and the south primary building. Other project work includes the removal and replacement of associated distribution switch gear where necessary and removal and replacement of additional circuits that are identified during project construction.</p> <p><b>Budget Request Basis:</b> Disappropriate remaining balance.</p>
1037765	<b>WTC WATER QUALITY CAP OUTLAY</b> STANDALONE		\$1,167,758	<p><b>Current Scope:</b> Water Quality Capital Outlay: This project covers the small capital outlay portion of the Capital Asset Management Plan, which largely includes purchases of information technology equipment. The Wastewater Treatment Division follows general criteria in determining the replacement of these assets, including: the maintenance history of the equipment; the manufacturers' recommended useful life; quantifiable benefits; intangible cost/benefits; and the future impact of the decision to replace equipment in order to reduce maintenance costs. These are all factors which are considered in the equipment replacement plans.</p> <p><b>Budget Request Basis:</b> Annual budgets are based on planned capital outlays and replacement cost estimates.</p>
1037767	<b>WTC BIOSOLIDS SITE DEVELOPMENT</b> STANDALONE		\$51,130	<p><b>Current Scope:</b> Biosolids Site Development: Work under this project provides planning, engineering, and geographic information systems services in support of the WTD biosolids forestry application program. It also provides funds for improvements to forestry sites to allow biosolids application; namely, the construction and reconstruction of trails/roads used by the application equipment.</p> <p><b>Budget Request Basis:</b> The appropriation request is based on analysis of project spending and budget carryover amount.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Wastewater Treatment, Fund: All, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3611 WATER QUALITY CONST-UNRES - Wastewater Treatment				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1037789	<b>WTC CONVEYANCE SYS IMPROVEMENT PROGRAMMATIC</b>		\$6,894,612	<p><b>Current Scope:</b> RWSP Conveyance System Improvements: Conveyance system improvement planning is driven by the Regional Wastewater Service Plan's adopted conveyance standard of being able to convey the 20-year peak flow. For purposes of constructing facilities to meet future demand, the design standard used for planning new conveyance facilities is to accommodate the 20-year peak flow as projected in 2060. The year 2060 is based on 50 year planning horizon. A 50 year planning horizon is considered as a reasonable timeframe for modeling future wastewater flows. The 1037789 budget is a roll-up of sub-projects covering everything from staff labor to future capital projects and other expenses incurred to do conveyance planning for the region. The Conveyance System Improvement (CSI) project provides an opportunity for the County and local agencies to jointly address common conveyance issues, leverage available resources, and minimize customer disruption. The County values and encourages local sewer agency involvement as planning in the wastewater service area moves forward. Project schedule dates reflect the activities of multiple sub-projects.</p> <p><b>Budget Request Basis:</b> The appropriation request is based on analysis of project spending and budget carryover amount.</p>
1037810	<b>WTC SEDIMENT MANAGEMENT PLAN STANDALONE</b>		\$17,947,012	<p><b>Current Scope:</b> Sediment Management Plan: This project will implement King County's participation in the East Waterway Superfund site Memorandum of Understanding and Administrative Order on Consent, and clean up the other contaminated sites under the state Model Toxics Control Act voluntary cleanup authority. Tier 1: Program plan (complete: update complete). Tier 2: Studies. Develop a model to predict contamination from Combined Sewer Overflows needed for cleanup decisions (complete). Provide other project support to implement. Tier 3 projects. Tier 3: Site remediation. The Sediment Management Program identified and laid out a plan for seven sites that need remediation. The sites scheduled for cleanup in 2016-23 are included in this budget. The Plan Update identified one additional site to clean up. Source control studies are needed to determine if cleanup will need to wait for the CSO to be controlled. Project schedule dates reflect the different tier activities.</p> <p><b>Budget Request Basis:</b> Budget is based on SMP estimates for cleanups and past LOE and experience for other tasks. Cleanup budgets are revised at alternatives analysis and design stages</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Wastewater Treatment, Fund: All, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3611 WATER QUALITY CONST-UNRES - Wastewater Treatment				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1038098	<b>WTC CSO CONTROL AND IMPRV</b> PROGRAMMATIC		\$0	<p><b>Current Scope:</b> CSO Control &amp; Improvement: The scope of the master project contains several subprojects as a mechanism to track the capital projects in the combined sewer overflow (CSO) Long-term Control Plan being implemented through 2030. When projects are ready for implementation, the budget is transferred to the Project Management Unit (PMU) under a new project number. The project reflects the King County Council approved 2012 Long-term CSO Control Plan. A new subproject - the Water Quality Assessment &amp; Monitoring Study - was added in 2013 to develop information for the 2018 Long-term Control Plan Update and respond to King County Council questions about priority and sequencing CSO projects. The Water Quality Assessment &amp; Monitoring Study was completed in 2017. A new technology is being pilot tested to potentially improve performance of treating combined sewers under this master project in 2018 and 2019.</p> <p><b>Budget Request Basis:</b> The appropriation request is based on analysis of project spending and budget carryover amount.</p>
1038099	<b>WTC MITIGATION SITE MAINT MON</b> STANDALONE		\$2,788,237	<p><b>Current Scope:</b> Mitigation Site Maintenance and Monitoring: For each mitigation site the following activities would be performed: 1. Maintenance and monitoring of mitigation site as required by the permit. 2. Monitoring report preparation. 3. Development of contingency measures if mitigation measures fail to meet the performance standard. 3. Coordination with permitting agencies for approval of monitoring report and contingency measures. 4. Installation of contingency measures with a work order contract. 5. Coordination with permitting agencies for final approval. 6. Perform Landscape maintenance on Green Stormwater Infrastructure sites (special training required). The Mitigation Site Maintenance and Monitoring Program is ongoing. Each year there is a potential for additional mitigation sites to be added if a Wastewater Treatment Division project will occur within critical areas or their buffers.</p> <p><b>Budget Request Basis:</b> The appropriation request is based on analysis of project spending and budget carryover amount.</p>
1038122	<b>WTC SUNSET HEATH PS FM UPGRADE</b> STANDALONE		\$5,835,674	<p><b>Current Scope:</b> Sunset/Heathfield Pump Station Replacement &amp; Forcemain Upgrade: The Sunset/Heathfield Pump Station Replacement and Forcemain Upgrade Project will increase the pumping capacity of the Sunset and Heathfield pump stations to 30 million gallons per day (mgd) by replacing pump station equipment and installing new force mains.</p> <p><b>Budget Request Basis:</b> The appropriation request is based on analysis of project schedule, spending, contingency, budget carryover amount and the timing of property acquisition and implementation contracting.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Wastewater Treatment, Fund: All, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3611 WATER QUALITY CONST-UNRES - Wastewater Treatment				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1038128	<b>WTC NORTH CREEK PIPELINE</b> STANDALONE	✓	(\$13,250,574)	<p><b>Current Scope:</b> North Creek Pipeline: In 2013, the City of Bothell requested pavement repairs in SR 524, in the locations of 8 settlement monitors installed by the Alderwood Water and Wastewater District (AWWD) over an AWWD water main. KC plans to issue a work order in Q1 2014 to repair the pavement at a construction cost of about \$40K, while leaving the settlement monitors in place for future sewer construction. In 2013, King County transported the remaining pipe to KC Roads yard in Renton for storage/eventual reuse and terminated the storage yard license. This action avoided \$300k - 500K in disposal costs. King County also restored the storage yard (e.g, cleanup, mulched) to meet the requirements of the license agreement. King County twice advertised the pipe for surplus in 2012 and sold about half of it. No bidders were interested in the remaining pipe. The pipe was purchased for construction of King County's new North Creek Interceptor Sewer by Alderwood Water and Wastewater District (AWWD) under a 2005 agreement with King County. King County has now decided to complete construction of its North Creek Interceptor, and determined that the pipe is not suitable for the new tunneling method that was selected to reduce risks.</p> <p><b>Budget Request Basis:</b> Disappropriate remaining balance.</p>
1038129	<b>WTC LOWER DUWAMISH SUPERFUND</b> STANDALONE		\$16,280,934	<p><b>Current Scope:</b> Lower Duwamish Waterway Superfund: The project implements King County's shared responsibilities under a signed Administrative Order on Consent (AOC) to conduct a Remedial Investigation/Feasibility Study (RI/FS) for the Lower Duwamish Waterway (LDW) Superfund Site and pay for Environmental Protection Agency and Washington State Department of Ecology oversight costs. The AOC is jointly signed by King County, the City of Seattle, the Port of Seattle, and Boeing. King County will also move ahead on cleanup of identified early actions areas at the site to quickly reduce risks. Phase 1: Existing RI data to define data gaps and early actions (complete). Phase 2: Baseline and Residual risk assessments and RI; Early Action studies and cleanups (complete). Phase 3: Feasibility study and proposed cleanup plan (complete). Phase 4 Pre-design Studies and allocation process. AOC amendments have added additional studies (phase 4): fisher, activated carbon pilot, and pre-design. Phase 5: AOC amendment added remedial design of upper 1/3 of LDW cleanup.</p> <p><b>Budget Request Basis:</b> The appropriation request is based on analysis of project spending and budget carryover amount.</p>
1038220	<b>WTC JUANITA BAY PS MODIFICATIONS</b> STANDALONE	✓	(\$4,399,465)	<p><b>Current Scope:</b> Juanita Bay PS - Modifications: A new 30.6 million gallons-per-day two-stage pump station is being built across the street from the existing Juanita Bay Pump Station (PS). The station will include four pairs of two-stage pumps, odor control, chemical addition for odor and corrosion prevention, equipment sound attenuation, and a standby generator. The existing pump station will be taken off-line when the new pump station is completed.</p> <p><b>Budget Request Basis:</b> Disappropriate remaining balance.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Wastewater Treatment, Fund: All, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3611 WATER QUALITY CONST-UNRES - Wastewater Treatment				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1038223	<b>WTC BELLEVUE PS UPGRADE</b> STANDALONE	✓	(\$1,165,878)	<p><b>Current Scope:</b> Bellevue Pump Station: The existing Bellevue Pump Station is 30 years old. The scope under this project is to: replace the pumps, controls, electrical system, process piping, HVAC unit and generator; add chemical storage; update the odor control system; and build a new force main from the pump station to the existing conveyance line, Eastside Interceptor (ESI). This project will upgrade the hydraulic capacity, electrical systems, and control systems for the Bellevue Pump Station. It will also construct a new 5,700 foot-long, 24-inch diameter force main from the Bellevue Pump Station to the ESI, thereby reducing the hydraulic load on the Sweyolocken Pump Station. The new force main will require a new discharge structure at the ESI just upstream of the Wilburton Siphon inlet structure. The project provides needed capacity to avoid raw sewage overflows downstream at the Sweyolocken Pump Station. A planning assessment of the alternatives to flow from Sweyolocken was conducted during 2000. Seven possible alternatives were evaluated; two alternatives were carried forward for further evaluation, and this project was ultimately selected. This project is part of the Regional Wastewater Services Plan.</p> <p><b>Budget Request Basis:</b> Disappropriate remaining balance.</p>
1038236	<b>WTC RAVENNA CRK SEPARATION</b> STANDALONE	✓	(\$3,132,512)	<p><b>Current Scope:</b> Ravenna Creek Separation: The scope of this project is to review the piping and control gate strategy in the Ravenna Creek structures (24th Avenue Diversion Structure and 54th Street Diversion Structure) and associated conveyance system, and to design and implement the necessary modifications to prevent sewage releases into the Ravenna Creek storm water transfer system.</p> <p><b>Budget Request Basis:</b> Disappropriate remaining balance.</p>
1038273	<b>WTC ODOR CORROSION</b> PROGRAMMATIC		\$10,369,761	<p><b>Current Scope:</b> Odor / Corrosion Control: The Odor/Corrosion Control Program includes asset management projects that correct, mitigate or repair the effects of hydrogen sulfide damage; overhaul or replace failed odor/corrosion control equipment that has reached the end of its useful life; improve safety, reliability, efficiency or increase redundancy related to odor/corrosion control systems; and code required upgrades for odor/corrosion control equipment. This "Roll-Up Project" funds a number of odor/corrosion control sub-projects that vary in dollar value, but are typically less than \$2,500,000. The number of sub-projects fluctuates from one year to the next as projects are completed and new sub-projects are added through project work request process. As a result, sub-projects contained within this project number are in various states of design, from planning to construction. In addition, this project number is used to initiate odor/corrosion control sub-projects throughout the year that develop into stand alone projects with their own unique project number.</p> <p><b>Budget Request Basis:</b> The appropriation request is based on analysis of project schedule, spending, contingency, budget carryover amount and the timing of property acquisition and implementation contracting.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Wastewater Treatment, Fund: All, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3611 WATER QUALITY CONST-UNRES - Wastewater Treatment				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1038294	<b>WTC NOAA NON PROJECT SPEC STANDALONE</b>		\$156,704	<p><b>Current Scope:</b> Non-Project Specific - NOAA: The Elliott Bay / Duwamish River Restoration program (EBDRP) panel convened by the National Oceanic and Atmospheric Administration meets four times per year to discuss issues related to work; reimbursement from the panel; stewardship of restoration sites under King County ownership; and monitoring of sediment remediation conducted by the County.</p> <p><b>Budget Request Basis:</b> The appropriation request is based on analysis of project spending and budget carryover amount.</p>
1038295	<b>WTC BIOSOLIDS EQUIPMENT STANDALONE</b>		\$0	<p><b>Current Scope:</b> Biosolids Forestry Equipment: The Biosolids Forestry Equipment project provides funding for the refurbishment and purchase of equipment for biosolids application in forestry environments. Forestry equipment needs regular parts replacement from regular use in rugged settings. Properly maintained equipment provides for predictable, safe, and efficient operations.</p> <p><b>Budget Request Basis:</b> The appropriation request is based on analysis of project spending and budget carryover amount.</p>
1038314	<b>WTC E DIVISION SECONDARY TANK COATING STANDALONE</b>		\$0	<p><b>Current Scope:</b> East Division Secondary Tank Coating: This project addresses corrosion damage in the secondary sedimentation tanks at South Treatment Plant in Renton. This project will repair and re-coat corroded metal in four tanks each year. The repair and re-coating of metal components in twenty tanks have been completed, four remain to be completed.</p> <p><b>Budget Request Basis:</b> There is no budget request for 2019-2020; budget request is for the outyears only.</p>
1038335	<b>WTC ELECTRICAL I AND C PROGRAMMATIC</b>		\$10,631,945	<p><b>Current Scope:</b> Electrical Instrument and Control: The Electrical and Instrumentation and Control (I&amp;C) Program includes asset management projects that enhance the treatment process, overhaul or replacing failed electrical and I&amp;C equipment or electrical I&amp;C equipment that has reached the end of its useful life, improve safety, reliability, efficiency or increase redundancy of the electrical I&amp;C systems and code required upgrades for electrical I&amp;C equipment. This "Rollup Project" funds a number of electrical and I&amp;C subprojects that vary in dollar value, but are typically less than \$2,500,000. The number of subprojects fluctuates as projects are completed and new subprojects are added through the project work request process. As a result, subprojects contained within this project number are in various states of design, from planning to construction. In addition, this project number is used to initiate electrical I&amp;C subprojects throughout the year that develop into stand alone projects with their own unique project number. Project schedule dates reflect activities of multiple subprojects.</p> <p><b>Budget Request Basis:</b> The appropriation request is based on analysis of project schedule, spending, contingency, budget carryover amount and the timing of property acquisition and implementation contracting.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Wastewater Treatment, Fund: All, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3611 WATER QUALITY CONST-UNRES - Wastewater Treatment				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1038447	<b>WTC SP DIGESTER FLOATING LIDS</b> STANDALONE	✓	(\$2,626,485)	<b>Current Scope:</b> South Treatment Plant Digester Floating Lids: The scope includes cleaning and rehabilitation or replacement of the coating or roofing systems on the five floating digester covers at the South Treatment Plant. The scope also includes coordination with plant operations for the inspection and roofing work and assessment of the degree of rehabilitation and/or replacement required. <b>Budget Request Basis:</b> Disappropriate remaining balance.
1038448	<b>WTC MAGNOLIA CSO</b> STANDALONE		\$1,999,378	<b>Current Scope:</b> CSO Control & Improvements - Magnolia: Design and construct of an approximately 1.5 million gallon CSO storage tank in the vicinity of Terminal 91 in Seattle, and a conveyance pipeline to connect the existing interceptor in 32nd Avenue West to the storage tank. The scope will include odor control and mechanical, electrical, and control systems to enable the system to function when required. <b>Budget Request Basis:</b> This appropriation request will cover remaining costs associated with the contractor's corrective action plan and the closeout of the project.
1048049	<b>WTC WTD CIP CONTINGENCY FUND</b> STANDALONE		\$20,000,000	<b>Current Scope:</b> WTD CIP Contingency Fund: This project will provide contingent budget authority to be used according to the requirements established in ordinance 14122, Section 6F and hereby added as a new section to K.C.C. chapter 4.04. and revised in ordinance 17929 (November 2014). <b>Budget Request Basis:</b> The appropriation request is based on actual and remaining year anticipated contingency transfer needs to maintain the \$20 million balance as allowed by King County code.
1048071	<b>WTC SP SOLIDS CONTROLS REPL</b> STANDALONE	✓	(\$2,953,656)	<b>Current Scope:</b> SP Solids Controls Replacement: The South Plant Solids Control System Replacement project is consistent with WTD's long-range control system plans which include developing and documenting control system standards for the wastewater system, designing and implementing control system replacement at the South Treatment Plant, and evaluating and implementing database systems for wastewater labs and asset management programs. To ensure greater project management control, the solids replacement portion of the South Plant Control System Project (423493) has been given its own project number. <b>Budget Request Basis:</b> Disappropriate remaining balance.
1048076	<b>WTC CONVEYANCE H2S CORR REHAB</b> PROGRAMMATIC		\$6,163,317	<b>Current Scope:</b> Conveyance System H2S Corrosion Rehabilitation: The scope of the program is to rehabilitate conveyance pipelines damaged due to hydrogen sulfide corrosion. This project number is for program planning and a program budget placeholder for future pipeline rehabilitation projects. No construction is being performed under this project number. Please see project numbers 1122412 individual project information. <b>Budget Request Basis:</b> The appropriation request is based on analysis of project schedule, spending, contingency, budget carryover amount and the timing of property acquisition and implementation contracting.

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Wastewater Treatment, Fund: All, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3611 WATER QUALITY CONST-UNRES - Wastewater Treatment				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1048077	<b>WTC ENVIR LAB ENERGY IMPROVMNT</b> STANDALONE		\$1,176,356	<p><b>Current Scope:</b> Environmental Lab - Energy Improvements: This project will replace multiple existing aging fume hoods with new, more efficient hoods and associated mechanical equipment at the King County Environmental Laboratory.</p> <p><b>Budget Request Basis:</b> The appropriation request is based on analysis of project schedule, spending, contingency, budget carryover amount and the timing of property acquisition and implementation contracting.</p>
1113189	<b>WTC PROCESS REPLACEMENT IMPROV</b> PROGRAMMATIC		\$10,444,206	<p><b>Current Scope:</b> Process Replacement/Improvement: The Process Replacement /Improvement projects in this asset management project are designed to enhance or improve the treatment process by adding redundancy, improving safety, or enhancing maintenance practices. This "Roll-Up Project" funds a number of process replacement and improvement sub-projects that vary in dollar value, but are typically less than \$2,500,000. The number of sub-projects fluctuates as projects are completed and new sub-projects are added through the engineering work request process. As a result, sub-projects contained within this project number are in various states of design, from planning to construction. In addition, this project number is used to initiate process replacement and improvement sub-projects throughout the year that develop into stand alone projects with their own unique project number. Project schedule dates reflect activities of multiple sub-projects.</p> <p><b>Budget Request Basis:</b> The appropriation request is based on analysis of project schedule, spending, contingency, budget carryover amount and the timing of property acquisition and implementation contracting.</p>
1113196	<b>WTC MECHANICAL UPGRADE AND REP</b> PROGRAMMATIC		\$10,371,830	<p><b>Current Scope:</b> Mechanical Upgrade &amp; Replacement: These projects replace or upgrade mechanical systems at wastewater facilities that have served their useful life such as piping, hydraulic systems, and heating and ventilation systems. Mechanical projects are also implemented to improve efficiency, provide safety for operators, and to meet current codes. This "Roll-Up Project" funds a number of mechanical upgrade and replacement sub-projects that vary in dollar value, but are typically less than \$1,000,000 although they may range up to \$2,500,000. The number of sub-projects fluctuates as projects are completed and new sub-projects are added through the project work request (PWR) process. As a result, sub-projects contained within this project number are in various phases from planning, design, and to construction. In addition, this Roll-Up project is used to initiate mechanical upgrade and replacement sub-projects throughout the year that may later develop into stand alone projects with their own project number. Project schedule dates reflect activities of multiple sub-projects.</p> <p><b>Budget Request Basis:</b> The appropriation request is based on analysis of project schedule, spending, contingency, budget carryover amount and the timing of property acquisition and implementation contracting.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Wastewater Treatment, Fund: All, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3611 WATER QUALITY CONST-UNRES - Wastewater Treatment				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1113247	<b>WTC PIPELINE REPLACEMENT PROGRAMMATIC</b>		\$10,477,127	<p><b>Current Scope:</b> Pipeline Replacement: The Pipeline Replacement Program projects are primarily treatment process support systems. This piping conveys fluids such as potable and non-potable water, sludge, gases, chemicals, and air. These are projects that enhance the treatment process, overhaul or replace failed piping systems and equipment that has reached the end of its useful life, improve safety, reliability, efficiency or increase redundancy of the piping systems and code required upgrades. This "Rollup Project" funds a number of pipeline replacement subprojects that vary in dollar value, but are typically less than \$2,500,000. The number of subprojects fluctuates as projects are completed and new subprojects are added through the project work request process. As a result, subprojects contained within this project number are in various states of design, from planning to construction. In addition, this project number is used to initiate pipeline replacement sub-projects throughout the year that develop into stand alone projects with their own unique project number.. Project schedule dates reflect activities of multiple subprojects.</p> <p><b>Budget Request Basis:</b> The appropriation request is based on analysis of project schedule, spending, contingency, budget carryover amount and the timing of property acquisition and implementation contracting.</p>
1113334	<b>WTC COMP PLANNING REPORTING PROGRAMMATIC</b>		\$8,806,734	<p><b>Current Scope:</b> Comp Planning &amp; Reporting: This programmatic project funds and staffs the Wastewater Treatment Division's (WTD) comprehensive planning functions. The planning functions are on-going planning and reporting for combined sewer overflow control, monitoring, and update of the Regional Wastewater Services Plan (RWSP). This project also supports WTD planning for climate change and supports policy development and planning level coordination for WTD. The project tracks on-going coordination with Seattle Public Utilities (SPU), and budgets in the reimbursements from SPU for work WTD performs for SPU's benefit. Any new initiatives or capital planning efforts are under this project such as the Systemwide Comprehensive Plan.</p> <p><b>Budget Request Basis:</b> The appropriation request is based on analysis of project spending and budget carryover amount.</p>
1113351	<b>WTC LAB ASSET MGMT PROGRAM STANDALONE</b>		\$949,446	<p><b>Current Scope:</b> Lab Capital Asset Management Program: This project includes the refurbishment or replacement of the capital asset testing and sampling equipment of the Environmental Laboratory. Large building components, such as roofs and sidewalks, are not included.</p> <p><b>Budget Request Basis:</b> The appropriation request is based on analysis of project spending and budget carryover amount.</p>
1114382	<b>WTC NORTH CREEK INTERCEPTOR STANDALONE</b>		\$3,055,074	<p><b>Current Scope:</b> North Creek Interceptor: This project increases the capacity of part of the North Creek Interceptor Sewer serving southwestern Snohomish County. The project involves replacement of 10,000 LF of existing gravity pipe with larger gravity pipes, 36 to 48 inches in diameter. Both trenchless (open face shield tunneling and pipe ramming) and open trench construction methods are being used.</p> <p><b>Budget Request Basis:</b> Additional appropriation will cover project closeout.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Wastewater Treatment, Fund: All, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3611 WATER QUALITY CONST-UNRES - Wastewater Treatment				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1114383	<b>WTC RECLAIMED WATER PLANNING &amp; INFRASTRUCTURE</b> STANDALONE		\$3,434,541	<b>Current Scope:</b> Reclaimed Water Planning & Infrastructure: The project includes customer development and support for existing reclaimed water facilities, planning, negotiating agreements, obtaining initial permits, customer connections, feasibilities studies, and engineering planning for reclaimed water use from South Plant, Carnation, and Brightwater. <b>Budget Request Basis:</b> The appropriation request is based on analysis of project spending and budget carryover amount.
1116796	<b>WTC SP RECLAIMED H2O FAC MODS</b> STANDALONE		\$19,808	<b>Current Scope:</b> SP Reclaimed Water Facility Modifications: Upgrade the existing reclaimed water system at South Plant to replace the pilot facility with a permanent facility, improve the reliability of reclaimed water produced and provide safety enhancements for WTD staff. The work includes: 1. Replace the existing temporary chemical pump building with a permanent building, 2. Modify the existing storage tank to meet current system requirements, 3. Provide a permanent chemical storage tank, 4. Provide spray washing system at the chlorine tanks and the reclaimed water storage tank, 5. Provide fill stations for the sodium hypochloride and the coagulant. <b>Budget Request Basis:</b> The appropriation request is based on analysis of project schedule, spending, contingency, budget carryover amount and the timing of property acquisition and implementation contracting.
1116797	<b>WTC JAM/ARC BLDG REPLACEMENT</b> STANDALONE		\$19,604,781	<b>Current Scope:</b> Jameson/Arcweld Buildings Replacement: This project will incorporate information previously gathered in the Planning Level Alternatives Analysis developed in June of 2012, performed under a separate Minor Asset Management project. The team will re-evaluate and update current and future organizational business needs and requirements for housing West Division maintenance and Construction Management Staff. Perform alternatives analysis and develop a recommended alternative. The KC PM presents monthly to an approval Project Review Board (PRB). At 15% design the KC PM will present to the PRB a recommended alternative to implement. <b>Budget Request Basis:</b> The appropriation request is based on analysis of project schedule, spending, contingency, budget carryover amount and the timing of implementation contracting.
1116800	<b>WTC N MERCER ENATAI INT PAR</b> STANDALONE		\$85,479,785	<b>Current Scope:</b> North Mercer Island & Enatai Interceptors Upgrade: This project will increase the reliability and capacity of the existing North Mercer Island Interceptor and Enatai Interceptor components of the regional wastewater system in order to convey the 20-year peak wastewater flows projected through the year 2060 from service areas in North Mercer Island, the southwest portion of Bellevue, and the Town of Beaux Arts Village. <b>Budget Request Basis:</b> The appropriation request is based on analysis of project schedule, spending, contingency, budget carryover amount and the timing of property acquisition and implementation contracting.

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Wastewater Treatment, Fund: All, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3611 WATER QUALITY CONST-UNRES - Wastewater Treatment				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1116801	<b>WTC LK HILLS&amp;NW LK SAM INTCPT</b> STANDALONE		\$95,633,688	<p><b>Current Scope:</b> Lake Hills and NW Lake Sammamish Interceptor Upgrade: This project will increase the capacity of the Lake Hills Trunk and NW Lake Sammamish Interceptor sewers to convey 20-year storm peak flow capacity through 2060. The condition of the existing pipe will determine which portions are replaced, refurbished, or paralleled. The project is located in the City of Redmond and unincorporated King County. The sewer includes 4.5 miles of gravity pipe and two siphon sections. Per Wastewater Treatment Division (WTD) management direction, a scope for 1.5 miles of recycled water (RW) pipeline was added to the project. The RW line will start from the south side the Redmond City Hall and parallel the new sewer line all the way to the north of the Marymoor Park entrance. The RW line is 18" diameter pipe, pressure rated at 250 pounds per square inch (psi), and is approximately 1.5 miles in length. The additional scope for RW and the combined baseline (sewer and RW) were approved by the WTD Capital Systems Team on September 12, 2017.</p> <p><b>Budget Request Basis:</b> The appropriation request is based on analysis of project schedule, spending, contingency, budget carryover amount and the timing of property acquisition and implementation contracting.</p>
1121404	<b>WTC SP RSP MEDIUM VOLT SG REPL</b> STANDALONE		\$1,515,817	<p><b>Current Scope:</b> STP Raw Sewage Pump Medium Voltage Switch Gear Replacement: This project will replace the medium voltage (15kV) switchgear that supports the Raw Sewage Pumping equipment located in the South Treatment Plant Influent Pump Building.</p> <p><b>Budget Request Basis:</b> The appropriation request is based on analysis of project schedule, spending, contingency, budget carryover amount and the timing of property acquisition and implementation contracting.</p>
1121406	<b>WTC ESI SECT 4 LINING</b> STANDALONE	✓	(\$3,755,723)	<p><b>Current Scope:</b> East Side Interceptor Section 4 Lining: This project will implement the solution for addressing corrosion in the previously lined section of East Side Interceptor Section 4 (ESI4), as proposed by project number 1120992 - East Side Interceptor Section 4 Lining Assessment.</p> <p><b>Budget Request Basis:</b> Disappropriate remaining balance.</p>
1121407	<b>WTC NORTH BCH PS FM CAP IMPROV</b> STANDALONE	✓	(\$2,300,963)	<p><b>Current Scope:</b> North Beach Pump Station and Facility Capital Improvements: The scope of this project is to provide reliable conveyance capacity at the North Beach Pump Station and its associated facilities over time by constructing improvements where needs are identified. This project is separate from and will be coordinated with the North Beach CSO Storage Facility project.</p> <p><b>Budget Request Basis:</b> Disappropriate remaining balance.</p>
1121408	<b>WTC NCRK INTCPTR OVRFLW CONTRL</b> STANDALONE	✓	(\$3,329,579)	<p><b>Current Scope:</b> North Creek Overflow Control: Investigate and correct I/I problems along the North Creek Interceptor (NCI) and work with AWWD to identify and reduce I/I problems in their system to reduce overflows along the NCI. As a contingency measure, design, permit, and if needed, construct a temporary pump around of the capacity restricted section of the NCI.</p> <p><b>Budget Request Basis:</b> Disappropriate remaining balance.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Wastewater Treatment, Fund: All, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3611 WATER QUALITY CONST-UNRES - Wastewater Treatment				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1123517	<b>WTC E FLEET MAINT FAC REPLCMNT</b> STANDALONE		\$2,391,725	<b>Current Scope:</b> East County WTD Fleet Repair & Maintenance Facility Replacement: This project entails acquiring property, obtaining permits, and constructing a new biosolids truck parking, maintenance, and repair facility. The site will accommodate a vehicle maintenance building, vehicle parking, vehicle electrification, materials storage, and landscaping. <b>Budget Request Basis:</b> The appropriation request is based on analysis of project schedule, spending, contingency, budget carryover amount and the timing of property acquisition and implementation contracting.
1123624	<b>WTC COAL CRK SIPHON TRUNK PARA</b> STANDALONE		\$47,595,405	<b>Current Scope:</b> Coal Creek Siphon & Trunk Parallel: This project will increase the capacity of the downstream half of Coal Creek Trunk. The trunk to be upgraded is 7,100 lineal feet, ranges in diameter from 15 to 21 inches, and ranges in flow from 7 to 10 million gallons per day (MGD). The upgraded sewer will be required to convey between 11 and 19 MGD to meet the year 2060, 20-year peak flow criteria. <b>Budget Request Basis:</b> The appropriation request is based on analysis of project schedule, spending, contingency, budget carryover amount and the timing of property acquisition and implementation contracting.
1123626	<b>WTC SP BIOGAS HEAT SYS IMPROVE</b> STANDALONE		\$31,998,230	<b>Current Scope:</b> SP Biogas and Heat Systems Improvements: Implement modifications identified in the South Plant Biogas Utilization Study (2013), which established that the continued upgrading of digester gas for injection into the local utility's natural gas line was the best use of plant generated biogas in the future. The selected alternative (September 2016, under this project) includes: 1) replacement of the existing biogas scrubbing system with a new membrane biogas separation system, and 2) installation of new dual-fuel hot water boilers and low-temperature effluent heat extractors to meet year-round heating demands through 2040. The new boilers will be co-located with the biogas upgrading facility in a new building, and the heat extractors will be located in the lower floor of the existing Digester Equipment Building. The existing biogas scrubbing system, heat extractors and boiler will be demolished. <b>Budget Request Basis:</b> The appropriation request is based on analysis of project schedule, spending, contingency, budget carryover amount and the timing of property acquisition and implementation contracting.

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Wastewater Treatment, Fund: All, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3611 WATER QUALITY CONST-UNRES - Wastewater Treatment				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1123627	<b>WTC WP 2ND MIX LIQ BLOWER REPL</b> STANDALONE		\$2,556,258	<p><b>Current Scope:</b> WP Secondary Mixed Liquor Channel Air Blower Replacement : This project will evaluate the replacement of the existing centrifugal mixed liquor channel air blowers with alternative technology such as high-speed turbo blowers. The Variable Frequency Drive (VFD) equipped turbo blowers are a newer and more energy efficient technology, and can generate more cubic feet per minute (CFM) of air per kilowatt (kW) than the existing centrifugal blowers. This project will evaluate: the air requirements for the secondary mixed liquor channel physical/biological processes; and alternative air delivery system efficiencies and cost data. Based on those findings, the project will determine what equipment (blowers, piping, valves, etc.) requires replacement.</p> <p><b>Budget Request Basis:</b> The appropriation request is based on analysis of project schedule, spending, contingency, budget carryover amount and the timing of property acquisition and implementation contracting.</p>
1123630	<b>WTC ESI SECT 2 REHAB PHASE II</b> STANDALONE		\$25,303,486	<p><b>Current Scope:</b> Eastside Interceptor Section 2 Rehab - Phase II: The scope of this project is to evaluate alternatives and implement the rehabilitation of approximately 3,900 linear feet of the Eastside Interceptor Section 2 (ESI 2), located in Renton.</p> <p><b>Budget Request Basis:</b> The appropriation request is based on analysis of project schedule, spending, contingency, budget carryover amount and the timing of property acquisition and implementation contracting.</p>
1127126	<b>WTC JOINT SHIP CANAL CSO</b> STANDALONE		\$37,398,692	<p><b>Current Scope:</b> Joint Ship Canal Water Quality CSO Control: This project funds King County's share of the capital costs for the Joint Ship Canal Water Quality Project (SCWQP), a Combined Sewer Overflow (CSO) control project with Seattle Public Utilities (SPU). SPU is the lead agency for design, construction and operation of this facility. The Ship Canal Water Quality (WQ) Project is a joint project between Seattle Public Utilities (SPU) and King County Department of Natural Resources and Parks (DNRP) that will provide offline storage with a deep storage tunnel constructed between the Ballard and Wallingford Combined Sewer Overflow (CSO) areas, on the north side of the Ship Canal. The Ship Canal WQ Project will control SPU's Ballard CSO basins (Outfalls 150,151, and 152), Fremont (Outfall 174) and Wallingford CSO basins (Outfall 147), DNRP's 3rd Avenue West Regulator (DSN008), and 11th Avenue NW Regulator (DSN004). The minimum total control volume for both SPU and DNRP CSO basins is 15.24 million gallons (MG).</p> <p><b>Budget Request Basis:</b> The appropriation request is based on analysis of project schedule, spending, contingency, budget carryover amount and the timing of property acquisition and implementation contracting.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Wastewater Treatment, Fund: All, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3611 WATER QUALITY CONST-UNRES - Wastewater Treatment				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1127489	<b>WP PRIMARY SED ROOF STRUCTURE</b> STANDALONE		\$10,574,390	<p><b>Current Scope:</b> West Point Primary Sedimentation Area Roof Structure: Remove or retrofit the roof structure over the primary sedimentation area of West Point Plant. The West Point Treatment Plant was constructed in the early 1960s. The primary sedimentation area roof structure had a seismic upgrade in the 1990s for the East- West oriented frames. The North- South frames were not upgraded. Analysis in 2010 showed the East-West frames meet a Life Safety performance level but the North- South frames do not; therefore, the roof structure as a whole does not meet a Life Safety performance level.</p> <p><b>Budget Request Basis:</b> The appropriation request is based on analysis of project schedule, spending, contingency, budget carryover amount and the timing of property acquisition and implementation contracting.</p>
1128354	<b>WTC INTERBAY FORCE MAIN &amp; ODOR CONTROL</b> STANDALONE		\$11,028,898	<p><b>Current Scope:</b> Interbay Force Main &amp; Odor Control: The project will determine the locations and lengths of the Interbay Pump Station dual force mains segments to be replaced or repaired, then design and construct the needed repair/replacement. Also, replace and/or rehabilitate the Discharge Structure and lastly to design and construct an Odor Control Unit at the Discharge Structure site.</p> <p><b>Budget Request Basis:</b> The appropriation request is based on analysis of project schedule, spending, contingency and the timing of property acquisition and implementation contracting.</p>
1129526	<b>WTC WP LSG PIPING REPLACEMENT</b> STANDALONE		\$7,942,429	<p><b>Current Scope:</b> WPTP Low Pressure Sludge Gas Piping Replacement: Replace the Low Pressure Sludge gas /Biogas (LSG) piping system at the West Point Treatment Plant (WPTP). Recent inspections identified six holes in the LSG pipeline. Temporary patches have been installed at these locations. The LSG pipe system at West Point was installed during the original plant construction in the 1960's for Digesters 1-3. The system was expanded in the mid 1980's with the construction of Digesters 4 and 5; and again in the 1990's with the addition of Digester 6. The project will conduct an Alternative Analysis of the existing LSG piping system, design and implement the rehabilitation of the piping systems into a safe and reliable system. Major Scopes include: * Inspect, identify, and develop the inventory of corroded Low Pressure Sludge Gas (LSG)/Biogas piping system; * Inventory the LSG piping system assets in the MainSaver * Conduct an Alternatives Analysis for Replacing, Fixing (coating, lining), and Cathodic Protection, etc. * Design the recommended alternative plan and prepare the bid document * Implement the designed plans in close coordination with the Plant Process Safety Management (PSM) Team</p> <p><b>Budget Request Basis:</b> The appropriation request is based on analysis of project schedule, spending, contingency and the timing of property acquisition and implementation contracting.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Wastewater Treatment, Fund: All, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3611 WATER QUALITY CONST-UNRES - Wastewater Treatment				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1129528	<b>WTC OFFSITE REPLACE SMALL GENS</b> STANDALONE		\$2,208,716	<b>Current Scope:</b> Small Generator Replacement at Various Offsite Stations: The project will replace small standby generators at various West offsite stations. The project will design and construct replacement generators at the following facilities: 8th Avenue South Regulator Station, Ballard Regulator Station, Brandon Street Outfall Station, Chelan Regulator Station, Connecticut Street Regulator Station, Dexter Avenue Regulator Station, Hanford Street Regulator Station, Hanford Street Outfall Station, Harbor Avenue Regulator Station, King Street Regulator Station, Lake City Tunnel Regulator Station, Montlake Boulevard Regulator Station, Norfolk Street Regulator Station, South Michigan Street Outfall Station, South Michigan Street Regulator Station, and the West Michigan Street Regulator Station. <b>Budget Request Basis:</b> The appropriation request is based on analysis of project schedule, spending, contingency and the timing of property acquisition and implementation contracting.
1129531	<b>WTC SP C2/C3 PIPE REPLACEMENT</b> STANDALONE		\$1,195,817	<b>Current Scope:</b> South Treatment Plant Header Pipe Replacement: Provide funding and a stand alone project number for the Final Design and implementation phase of the previously initiated South Plant C2/C3 Header Replacement Project #1122486. That project scope is to replace approximately 1,680 linear feet of C2/C3 header piping in the South Plant aeration gallery. <b>Budget Request Basis:</b> The appropriation request is based on analysis of project schedule, spending, contingency and the timing of implementation contracting.
1129532	<b>WTC BW OPTIMIZE AERATION BASIN</b> STANDALONE		\$11,718,830	<b>Current Scope:</b> BW Aeration Basin Optimization: At the Brightwater Treatment Plant (BWTP), optimize the three aeration basins to improve operational flexibility via diffuser optimization and zone control in order to reduce process chemical costs, energy usage, and foaming. <b>Budget Request Basis:</b> The appropriation request is based on analysis of project schedule, spending, contingency and the timing of property acquisition and implementation contracting.
1129533	<b>WTC CHELAN AVE CSO</b> STANDALONE		\$7,237,970	<b>Current Scope:</b> Chelan Ave. CSO: This project will control the Chelan Combined Sewer Overflow (CSO) to no more than one overflow per year on a rolling twenty year average. It will include the construction of a storage facility for an estimated 4-5 million gallons of mixed storm and wastewater (as determined by the Wastewater Treatment Division's (WTD) modeling group), related conveyance lines and required support facilities including odor control and emergency power generation. This project may also include some Green Stormwater Infrastructure (GSI) elements. <b>Budget Request Basis:</b> The appropriation request is based on analysis of project schedule, spending, contingency and the timing of property acquisition and implementation contracting.

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Wastewater Treatment, Fund: All, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3611 WATER QUALITY CONST-UNRES - Wastewater Treatment				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1129535	<b>WTC FUTURE CSI PROJECT</b> STANDALONE		\$13,066,643	<b>Current Scope:</b> Thornton Creek Trunk Replacement and Realignment: Thornton Creek Trunk begins at the confluence of the North Lake City and West Lake City trunks and ends at the Matthews Beach Pump Station. Sections of the Thornton Creek Trunk are operating below the King County Wastewater Treatment Division adopted conveyance capacity standard of 20 year level of service. The project will replace the existing pipe with a larger pipe that has greater capacity to convey sewage. The project will relocated some segments of the existing trunk away from environmentally sensitive areas. In total approximately 4,000 feet of sewer will be replaced. <b>Budget Request Basis:</b> The appropriation request is based on analysis of project schedule, spending, contingency and the timing of property acquisition and implementation contracting.
1129536	<b>WTC CAPITAL PROJECT FORMULATE</b> STANDALONE		\$2,400,291	<b>Current Scope:</b> WTD Capital Project Formulation: This program will develop capital project ideas to conceptual planning level of scope, schedule, and budget. <b>Budget Request Basis:</b> The appropriation request is based on analysis of project spending.
1129537	<b>WTC H2S CORR REHAB 2020-2021</b> STANDALONE		\$6,163,317	<b>Current Scope:</b> H2S Corrosion Rehab Program 2020-2021: The scope of the program is to rehabilitate conveyance pipeline damaged due to Hydrogen Sulfide corrosion. This project number is for program planning and a budget placeholder for future pipeline rehabilitation projects. No construction will be performed under this project number. <b>Budget Request Basis:</b> The appropriation request is based on analysis of project schedule, spending, contingency and the timing of property acquisition and implementation contracting.
1129538	<b>WTC TECH ASSESS &amp; INNOVATION</b> STANDALONE		\$1,732,688	<b>Current Scope:</b> Technology Assessment and Innovation Project: The Technology Assessment and Innovation Program (TAIP) is involved in numerous concurrent testing and technology assessment activities. In 2018-19, this work will include evaluation of the cost and effectiveness of technologies and process changes that can improve the performance or reduce the costs of wastewater treatment. The recent interest in new ideas/proposals in the energy production/recovery, biosolids management, and nutrient treatment/recovery fields is anticipated to continue through 2018 and 2019. This project is a continuation of Project No. 1037769 which closed at the end of 2016. <b>Budget Request Basis:</b> The appropriation request is based on analysis of project spending.
1134063	<b>WTC WP POWER MON UPGD</b> STANDALONE		\$5,479,905	<b>Current Scope:</b> WPTP Power Monitoring Upgrades : Install power line monitors with transient waveform capture feature on each substation's main breaker. The work includes replacement the 1990's Basler relays with new state of the art solid state units. This affects the switchgear in Facility 722, Intermediate Pump Station; and the Effluent Pump Station <b>Budget Request Basis:</b> The appropriation request is based on analysis of project schedule, spending, contingency and the timing of property acquisition and implementation contracting.

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Wastewater Treatment, Fund: All, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3611 WATER QUALITY CONST-UNRES - Wastewater Treatment				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1134064	<b>WTC WP ADM/OPS CTR SEIS UPGD</b> STANDALONE		\$14,060,649	<p><b>Current Scope:</b> WPTP Admin/Ops Center Seismic Upgrades: Structural deficiencies at the administration/operations center of the West Point Treatment Plant include a weak story/ geometry configuration, and braced frame with lack of seismic detailing.</p> <p><b>Budget Request Basis:</b> The appropriation request is based on analysis of project schedule, spending, contingency and the timing of property acquisition and implementation contracting.</p>
1134065	<b>WTC SP IPS SEISMIC UPGD</b> STANDALONE		\$7,192,226	<p><b>Current Scope:</b> SPTP Influent Pump Station Seismic Upgrades: This facility is at risk for structural failure or roof collapse which is likely to result in the facility becoming inoperable. Mechanical and electrical system damage may also cause the facility to become inoperable. Influent pump stations are the high flow area of process.</p> <p><b>Budget Request Basis:</b> The appropriation request is based on analysis of project schedule, spending, contingency and the timing of implementation contracting.</p>
1134066	<b>WTC COMP SYSTEM PLAN</b> STANDALONE		\$8,617,670	<p><b>Current Scope:</b> Comprehensive System-Wide Plan: The overall objective of this scope of work is to develop a Systemwide Comprehensive Plan for King County's regional wastewater system to guide near-term (up to 10 years) and long-term (10 to 40 years) investments by WTD in regional water quality. In addition to comprehensively assessing all demands on the regional wastewater system, the overall planning process will include regional dialog with stakeholders and the public about investment priorities, water quality benefits relative to cost, wastewater rate affordability, and the priorities and associated tradeoffs. The planning process will be guided by and seeks to define a future direction for the utility that is consistent with WTD's vision and mission. The plan shall identify a path forward for WTD that: provides a strategic plan to guide future investments; allocates the right dollars to the right projects at the right time; ensures the core mission to protect water quality; achieves the best water quality benefit for the investments made; results in affordable wastewater utility rates into the future; reflects the County's initiatives, including equity and social justice and strategic climate action planning.</p> <p><b>Budget Request Basis:</b> The appropriation request is based on analysis of project schedule, spending and contingency.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Wastewater Treatment, Fund: All, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3611 WATER QUALITY CONST-UNRES - Wastewater Treatment				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1134067	<b>WTC ELLIOT W CSO COMP</b> STANDALONE		\$13,998,548	<p><b>Current Scope:</b> Elliott West CSO Compliance: The 240-mgd Elliott West Wet Weather Treatment Station (WWTS) has been unable to consistently meet National Pollutant Discharge Elimination System (NPDES) permit requirements since it was placed into operation in 2005. Permit limitations on annual average settleable solids and total suspended solids removal, monthly fecal coliform concentrations, daily maximum chlorine residual concentration, and instantaneous pH have all been exceeded. Treatment performance optimization and monitoring is hampered by inadequate influent flow monitoring and the inability to perform a solids balance on the facility. With input from Wastewater Treatment Division staff, four locations to collect influent flow measurements and two locations to collect influent composite samples were identified. Permanently installing flow measuring and sampling facilities in these locations is required to more closely determine influent flows and loads to the WWTS.</p> <p><b>Budget Request Basis:</b> The appropriation request is based on analysis of project schedule, spending, contingency and the timing of implementation contracting.</p>
1134068	<b>WTC ALKI PERM GENERATOR</b> STANDALONE		\$1,587,430	<p><b>Current Scope:</b> Alki Permanent Standby Generator: The previous feasibility study found that re-purposing/relocating to Alki WWTF to serve it and 63rd PS, one of the existing surplus generator sets from Heathfield PS or Sunset PS is indeed feasible, both technically and permit-wise, with 3 alternatives by three sub-option configurations (six total) outlined and evaluated for the Alki WWTF site, with construction costs estimates (AAACEI Class 5) ranging from \$2.8M to \$4.9M, including the major element of bringing a power line from Alki WWTF generator to the 63rd PS. Any of these alternatives would provide adequate backup power to both the Alki Wet Weather Treatment Facility (CSO treatment only), and to the 63rd Avenue Pump Station. The work of this planned CST project is to design, construct/install a new standby generator at the Alki WWTF, with a power line (buried or above ground) connecting to 63rd PS, to provide adequate and reliable standby power for both facilities.</p> <p><b>Budget Request Basis:</b> The appropriation request is based on analysis of project schedule, spending, contingency and the timing of implementation contracting.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Wastewater Treatment, Fund: All, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3611 WATER QUALITY CONST-UNRES - Wastewater Treatment				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1134069	<b>WTC WP RSP REPLACEMENT</b> STANDALONE		\$16,983,283	<p><b>Current Scope:</b> WPTP Raw Sewage Pump Replacement: The primary objectives of this project are (1) to evaluate the viability of replacing the existing reciprocating engine drives for the Raw Sewage Pumps with electric motors and variable speed drives; and (2) to evaluate increasing the pump capacity to achieve a level of redundancy that would allow for one pump to be out of service and still meet capacity of 440 mgd. The project scope is to perform a business case evaluation to determine the viability of replacing the gas driven reciprocating engines with electric motor drives; and the evaluate the feasibility of increasing the output of the pumps, or replacing the pumps with larger capacity units Evaluate the feasibility, (including cost, risk, constructability, reliability) of replacing the existing Raw Sewage Pump Engines with variable speed electric driven units. The existing pump station requires all four units to operate at maximum output to meet the 440 mgd capacity. Evaluate the feasibility of increasing the output of the pumps, or replacing the pumps with larger capacity units. The pumps have been in service since the original construction of West Point in the 1960's. This project will produce a report detailing alternatives, evaluation and recommendation(s).</p> <p><b>Budget Request Basis:</b> The appropriation request is based on analysis of project schedule, spending, contingency and the timing of implementation contracting.</p>
1134070	<b>WTC CMMS UPGRADE</b> STANDALONE		\$4,367,949	<p><b>Current Scope:</b> WTD Computer Maintenance Management System Upgrade - This project will evaluate the feasibility of and implement the replacement of the Wastewater Treatment Divisions (WTD) existing Computer Maintenance Management System (CMMS) software system (Mainsaver) with a new CMMS software.</p> <p><b>Budget Request Basis:</b> The appropriation request is based on analysis of project schedule, spending, contingency, and the timing of implementation contracting.</p>
1134071	<b>WTC OVATION CONT SYS UPGD</b> STANDALONE		\$14,378,632	<p><b>Current Scope:</b> WTD Ovation Control Systems Upgrades: Update and standardize the operations control systems at the three treatment plants to include all associated hardware and software.</p> <p><b>Budget Request Basis:</b> The appropriation request is based on analysis of project schedule, spending, contingency and the timing of implementation contracting.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Wastewater Treatment, Fund: All, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3611 WATER QUALITY CONST-UNRES - Wastewater Treatment				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1134072	<b>WTC PASS WEIR FOR EMG BYPASS</b> STANDALONE		\$1,601,838	<p><b>Current Scope:</b> West Point Treatment Plant Passive Weir for Emergency Bypass: The primary objective of this project is to design and construct a passive bypass weir on the Emergency Bypass Channel to protect the plant from flooding in the event of a failure of the Emergency Bypass gate (EB) and all other gates in the Influent Control Structure (ICS). This work will include review of the current design of the wastewater influent tunnels, ICS, and Emergency Bypass Channels, develop alternative design plans, preliminary design (Baseline), final design, implementation, and project close out. This project will produce a alternative design reports, design plans at various design levels (30%, 60%, 90%, and 100%), bidding documents, a passive bypass weir to handle up to 440 millions gallons per day of influent.</p> <p><b>Budget Request Basis:</b> The appropriation request is based on analysis of project schedule, spending, contingency and the timing of implementation contracting.</p>
1134073	<b>WTC VFD REPLACEMENT</b> STANDALONE		\$4,693,830	<p><b>Current Scope:</b> Variable Frequency Drive Replacement: The primary objective of this project is to establish a program to proactively replace low voltage (less than 480 volt) variable frequency drives (VFDs) through the King County Wastewater Treatment Division's (WTD) system that have reached the end of their life and prior to their failure.</p> <p><b>Budget Request Basis:</b> The appropriation request is based on analysis of project schedule, spending, contingency and the timing of implementation contracting.</p>
1134074	<b>WTC BW RW STORAGE</b> STANDALONE		\$4,642,298	<p><b>Current Scope:</b> Brightwater Reclaimed Water Storage: Staff from the Reclaimed Water (RW) program and Brightwater have identified a need for RW storage to improve system reliability and increase operator and maintenance flexibility. The purpose of this project is to install storage and associated pumping for the Brightwater reclaimed water distribution system. Other sites for the storage tank and/or another disinfection process may be feasible, but for the purpose of obtaining an updated cost estimate, it was assumed that the storage tank would be sited at Brightwater and a UV disinfection system would be added to meet future potential regulations. The project team will continue to evaluate the feasibility of the site during alternatives analysis.</p> <p><b>Budget Request Basis:</b> The appropriation request is based on analysis of project schedule, spending, contingency and the timing of implementation contracting.</p>
1134075	<b>WTC LK HILLS INT A REFURB</b> STANDALONE		\$28,443,929	<p><b>Current Scope:</b> Lake Hills Interceptor A Refurbishment : Rehabilitation of 3,263 linear feet of 48-inch diameter reinforced concrete pipe. This project is identified as priority project #1 in the 2017 prioritization.</p> <p><b>Budget Request Basis:</b> The appropriation request is based on analysis of project schedule, spending, contingency and the timing of implementation contracting.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Wastewater Treatment, Fund: All, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3611 WATER QUALITY CONST-UNRES - Wastewater Treatment				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1134076	<b>WTC ENV LAB LIMS UPGD</b> STANDALONE		\$4,442,475	<p><b>Current Scope:</b> Environmental Lab Laboratory Information Management System Modernization: The project will upgrade Laboratory Information Management System (LIMS) by replacing the no longer supported Oracle Forms with KCIT supported technology in Phase I. Phase II will upgrade and replace ancillary supporting LIMS applications. Phase III will migrate the Oracle tables to a KCIT supported platform.</p> <p><b>Budget Request Basis:</b> This project has 3 distinct phases and the funding for all phases is being requested at this time. The request for this budget was determined by working with both KCIT staff and an external consultant with LIMS expertise (Astrix Inc.) to determine the likely resources required for each phase.</p>
1134301	<b>WTC PIMS REPLACEMENT</b> STANDALONE		\$1,844,893	<p><b>Current Scope:</b> Pretreatment Information Management System Replacement: Develop a new database system which supports the day to day operations of WTD's Industrial Waste (IW) unit, with enhanced features. Extract Transform Load historical data between the legacy IW system (PIMS) and this new system. Retire PIMS.</p> <p><b>Budget Request Basis:</b> Seeking appropriation for the completion of this software procurement and implementation project. Supported by wastewater sewer fee revenues and debt proceeds.</p>
1134349	<b>WTC FALL CITY WASTE MANAGE SYS</b> STANDALONE		\$3,998,288	<p><b>Current Scope:</b> Fall City Waste Management System: This project will evaluate the feasibility of implementation, and then design a sewage management system for the Fall City business district.</p> <p><b>Budget Request Basis:</b> The appropriation request is based on analysis of project schedule, spending, contingency and the timing of implementation contracting.</p>
1134816	<b>WTC SPU JOINT 3RD AVE TUNNEL</b> STANDALONE		\$4,986,750	<p><b>Current Scope:</b> SPU Joint 3rd Ave Tunnel: This joint agency project will cover the costs for upgrading the Fremont Utility Tunnel and replacement of the SPU water pipeline, including related structural supports. The WTD Siphons have been abandoned in the Fremont Utility Tunnel since completion of the WTD Fremont Siphon Replacement project in 2017. SPU is replacing the water pipeline due to a significant leak discovered in 2010. The line is currently out of commission. SPU will perform the work, including both design and construction, with King County paying a share of costs based on ownership of infrastructure to be removed, replaced, or refurbished.</p> <p><b>Budget Request Basis:</b> This appropriation will allow for legal contract execution in 2019 and closeout of the project in 2020.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Wastewater Treatment, Fund: 3611 WATER QUALITY CONST-UNRES, Cap Status: Approved, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3611 WATER QUALITY CONST-UNRES - Wastewater Treatment				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1135013	<b>WTC WATER QUALITY IMPRV ALTERN</b> WATER QUALITY IMPRV ALTERN		\$3,004,202	<p><b>Current Scope:</b> Water Quality Improvement Alternatives: This project will refine and implement a series of Water Quality Improvement Alternatives, including water quality investments, programs, and policies (“Water quality Projects”) identified in the King County Combined Sewer Overflow (CSO) Long-term Control Plan (LTCP) and further opportunities identified in the Systemwide Comprehensive Plan (SCP) for King County’s regional wastewater system. This project will refine planning level Water Quality Improvement Alternatives identified in the SCP and LTCP through Problem Definition, further evaluate options, and initiate design and implementation. This project will also further define those Water Quality Projects identified as programs and policies, in accordance with applicable laws and regulations. This process will be guided by the Water Quality Assessment and Monitoring Study, CSO LTCP, SCP for King County’s regional wastewater system, King County Code (KCC 28.86) CSO control policies (CSOCP), and Water Quality Protection Policies (WQPP).</p> <p><b>Budget Request Basis:</b> The appropriation request is based on analysis of project schedule, spending and contingency.</p>
<b>3611 - WATER QUALITY CONST-UNRES</b>		<b>Total</b>	<b>\$682,574,874</b>	
<b>Grand Total</b>			<b>\$682,574,874</b>	

**2019-2020 Proposed Financial Plan  
WTD Capital Fund 3611**

**Capital Improvement Program (CIP) Budget**

	2017-2018 Carryforward (YE ITD Balance)	2019-2020 Proposed	2019-2020 Total (Balance + Budget)	2021-2022 Projected	2023-2024 Projected
<b>Capital Budget Revenue Sources:</b>					
Revenue Backing from Fund Balance	\$ 377,079,554	-	377,079,554		
Biomethane RIN Revenues		4,148,203	4,148,203	1,200,000	-
Insurance Recoveries					
Bond Proceeds (net)		137,702,250	137,702,250	325,954,814	286,536,860
Transfers from Operating 4611		194,249,695	194,249,695	216,129,410	203,197,131
Future Undesignated Funding		346,474,726	346,474,726	136,342,447	188,692,680
<b>Total Capital Revenue</b>	<b>\$ 377,079,554</b>	<b>\$ 682,574,874</b>	<b>\$ 1,059,654,428</b>	<b>\$ 679,626,671</b>	<b>\$ 678,426,671</b>
<b>Capital Appropriation:</b>					
Unclassified Projects Prior to Prioritization	(514,857,111)		(514,857,111)	(235,077,638)	(394,765,657)
Resource Recovery	(4,072,317)	(11,809,453)	(15,881,770)	(11,303,728)	(3,519,010)
Asset Management	(32,417,055)	(242,462,466)	(274,879,521)	(93,879,580)	(97,864,811)
Capacity Improvement	(28,072,672)	(250,666,269)	(278,738,941)	(24,920,917)	(12,555,621)
Operational Enhancements	(966,371)	(15,038,948)	(16,005,319)	(4,471,720)	(2,188,271)
Planning/Administration	(3,648,612)	(39,428,185)	(43,076,797)	(16,866,575)	(11,532,422)
Resiliency	(714,089)	(55,892,291)	(56,606,380)	(85,256,663)	(20,552,275)
Regulatory	(29,460,626)	(113,616,699)	(143,077,325)	(207,849,850)	(135,448,604)
<i>Dissappropriations (positive)</i>		46,339,437	46,339,437	-	-
<b>Total Capital Appropriation</b>	<b>\$ (614,208,853)</b>	<b>\$ (682,574,874)</b>	<b>\$ (1,296,783,727)</b>	<b>\$ (679,626,671)</b>	<b>\$ (678,426,671)</b>

**CIP Fund Financial Position**

	2017-2018 Biennial to 7/31/18	2017-2018 Estimated	2019-2020 Biennial to Date Actuals	2019-2020 Estimated	2021-2022 Projected	2023-2024 Projected
<b>Beginning Fund Balance</b>	<b>363,461,505</b>	<b>363,461,505</b>		<b>406,609,273</b>	<b>283,043,218</b>	<b>282,995,442</b>
<b>Capital Funding Sources</b>						
SRF/PW Loans, Other	48,565,964	56,351,000		27,680,000	1,000,000	1,000,000
Biomethane RIN Revenues				4,148,203	1,200,000	
Insurance Recoveries	17,010,657	17,010,657				
Bond Proceeds (net)	59,750,000	203,150,250		137,702,250	325,954,814	286,536,860
Transfers from Operating Fund (4611)	124,533,000	159,419,939		194,249,695	216,129,410	203,197,131
<b>Total Capital Revenue</b>	<b>\$ 249,859,621</b>	<b>\$ 435,931,846</b>		<b>\$ 363,780,148</b>	<b>\$ 544,284,224</b>	<b>\$ 490,733,991</b>
<b>Capital Expenditures (Preliminary)</b>						
Resource Recovery	(6,955,781)	(12,307,757)		\$ (17,171,001)	\$ (9,740,176)	\$ (7,274,902)
Asset Management	(79,719,813)	(105,795,047)		\$ (163,439,267)	\$ (131,431,428)	\$ (102,731,674)
Capacity Improvement	(99,554,070)	(121,371,928)		\$ (70,175,309)	\$ (100,113,706)	\$ (104,839,859)
Operational Enhancements	(2,127,555)	(2,641,779)		\$ (5,166,041)	\$ (8,364,461)	\$ (6,409,559)
Planning/Administration	(6,211,071)	(10,336,071)		\$ (24,086,390)	\$ (17,474,095)	\$ (10,369,401)
Resiliency	(2,568,225)	(3,468,392)		\$ (17,543,775)	\$ (38,314,964)	\$ (82,848,615)
Regulatory	(101,857,908)	(136,446,307)		(185,616,219)	\$ (237,693,170)	\$ (176,276,991)
RIN Capital Expenditures		(416,797)		\$ (4,148,203)	\$ (1,200,000.0)	
<b>Total Capital Expenditures</b>	<b>\$ (298,994,423)</b>	<b>\$ (392,784,078)</b>		<b>\$ (487,346,203)</b>	<b>\$ (544,332,000)</b>	<b>\$ (490,751,000)</b>
<b>Other Fund Transactions</b>						
Brightwater Settlement Transfer Supplemental		(143,259,000)				
<b>Ending Fund Balance</b>	<b>\$ 314,326,703</b>	<b>\$ 406,609,273</b>		<b>\$ 283,043,218</b>	<b>\$ 282,995,442</b>	<b>\$ 282,978,433</b>
<b>Fund Balance designated to current projects*</b>	<b>\$ (125,883,862)</b>	<b>\$ (377,079,554)</b>	<b>\$ -</b>	<b>\$ (255,193,285)</b>	<b>\$ (255,145,583)</b>	<b>\$ (255,128,423)</b>
<b>Reserves</b>						
Brightwater Settlement	(144,939,179)	(1,680,000)		\$ -	\$ -	\$ -
Emergency Capital Reserve	(15,000,000)	(15,000,000)		(15,000,000)	(15,000,000)	(15,000,000)
Construction Cash Balance Reserve	(28,503,662)	(5,000,000)		(5,000,214)	(5,000,140)	(5,000,291)
<b>Total Reserves</b>	<b>\$ (188,442,841)</b>	<b>\$ (21,680,000)</b>		<b>\$ (20,000,214)</b>	<b>\$ (20,000,140)</b>	<b>\$ (20,000,291)</b>
Projected Shortfall						
<b>Ending Undesignated Fund Balance</b>	<b>\$ -</b>	<b>\$ 7,849,719</b>	<b>\$ -</b>	<b>\$ 7,849,719</b>	<b>\$ 7,849,719</b>	<b>\$ 7,849,719</b>

## Financial Plan Notes

### **CIP Budget Notes:**

All financial plans have the following assumptions, unless otherwise noted in below rows.

2017-2018 Carryover column reflects the best estimate of the inception to date budget balances at the end of the 2015-2016 biennium.

2019-2020 Proposed Budget ties to Hyperion.

2019-2020 Total Budget sums the carryover budget and the proposed budget.

Outyear revenue and expenditure budget assumptions tie to the outyears of the Attachment A, with exceptions explicitly noted.

### Revenue Notes:

PSB financial policies allow enterprise divisions such as WTD to make transfers between its funds outside of appropriation authority. WTD uses this authority to make transfers to its capital funds based on estimated expenditures. "Future Undesigned Funding" includes future transfers from operating and other financing sources (SRF loans, PW loans, etc.). WTD's consolidated financial plans shows the funds at an enterprise level.

### Expenditure Notes:

"Unclassified Projects" represents total projects with existing appropriation authority that are not requesting this biennium. These projects existed prior to WTD's portfolio management structure and have not been categorized into this structure. Due to the timing of WTD's transfers between operating and capital funds, some of that appropriation authority is not currently backed by balance in this fund.

### **CIP Fund Financial Position:**

All financial plans have the following assumptions, unless otherwise noted in below rows.

### Revenues Notes:

Bond proceeds are net of issuance expenses and amounts deposited or released from the Bond Reserve Account.

### Expenditure Notes:

Based on accomplishment rates used in the 2019 Sewer Rate financial plan.

The Brightwater settlement transfer is pending council approval.

### Reserve Notes:

Emergency Capital Reserve authorized by Motion 13798 of December 11, 2012. To be used for unanticipated system repairs or equipment replacement in the event of a natural disaster or some unforeseen system failure.

Construction Cash Balance Reserve equals ending cash balances in Funds 3611 and 4611, with adjustments, plus \$5 million of the Liquidity Reserve. 7/31/18 balance is the cash balance in only fund 3611.

\* Fund balance designated to current projects is for projects that are already appropriated. This fund balance cannot be used for other projects without disappropriating projects or creating a shortfall in the fund.

9/5/2018 Dan Kaplan and Caitlyn Hall

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Wastewater Treatment, Fund: 3612 WTD INTERNALLY FINANCED PROJECTSS, Cap Status: Approved, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3612 WTD INTERNALLY FINANCED PROJECTSS - Wastewater Treatment				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1134077	<b>WTC WP BIOGAS OPT</b> STANDALONE		\$660,079	<b>Current Scope:</b> West Point Treatment Plant Biogas Optimization: This project will assess the feasibility of adding a third, smaller engine to the existing Cogen facility at West Point to produce additional electricity and heat. This engine will significantly increase the amount of biogas that can be beneficially used at West Point (from about 75% to 88%). Based on the outcome of the assessment the project will either move forward or not. <b>Budget Request Basis:</b> The appropriation request is based on analysis of project schedule, spending, contingency and the timing of implementation contracting.
1134078	<b>WTC BW MBR LEAP UPGD</b> STANDALONE		\$2,399,135	<b>Current Scope:</b> Brightwater Membrane Bioreactor LEAP Upgrade: This project will replace the existing membrane cassettes and retrofit existing valves and piping to accommodate the LEAP membrane bioreactor (MBR) system. <b>Budget Request Basis:</b> The appropriation request is based on analysis of project schedule, spending, contingency and the timing of implementation contracting.
<b>3612 - WTD INTERNALLY FINANCED PROJECTSS</b>		<b>Total</b>	<b>\$3,059,214</b>	
<b>Grand Total</b>			<b>\$3,059,214</b>	

**2019-2020 Proposed Financial Plan  
WTD Internally Financed Projects Fund 3612**

**Capital Improvement Program (CIP) Budget**

	2017-2018 Carryforward (YE ITD Balance)	2019-2020 Proposed	2019-2020 Total (Balance + Budget)	2021-2022 Projected	2023-2024 Projected
<b>Capital Budget Revenue Sources:</b>					
Revenue Backing from Fund Balance	-	-	-	-	-
Transfers from Operating Fund (4611)	-	-	-	-	-
Biomethane RINs Revenues		3,059,214	3,059,214	6,507,488	1,130,802
<b>Total Capital Revenue</b>	\$ -	\$ 3,059,214	\$ 3,059,214	\$ 6,507,488	\$ 1,130,802
<b>Capital Appropriation:</b>					
West Point Biogas Optimization	-	(660,079)	(660,079)	(6,507,488)	(1,130,802)
Brightwater BW MBR Leap Upgrade	-	(2,399,135)	(2,399,135)	-	-
<b>Total Capital Appropriation</b>	\$ -	\$ (3,059,214)	\$ (3,059,214)	\$ (6,507,488)	\$ (1,130,802)

**CIP Fund Financial Position**

	2017-2018 Biennial to 7/31/18	2017-2018 Estimated	2019-2020 Biennial to Date Actuals	2019-2020 Estimated	2021-2022 Projected	2023-2024 Projected
<b>Beginning Fund Balance</b>	-	-	-	-	-	-
<b>Capital Funding Sources</b>						
Revenue Backing from Fund Balance						
Transfers from Operating Fund (4611)	7,849,719	7,849,719	-			
Biomethane RIN Revenues				2,514,528	2,291,105	5,559,616
<b>Total Capital Revenue</b>	\$ 7,849,719	\$ 7,849,719	\$ -	\$ 2,514,528	\$ 2,291,105	\$ 5,559,616
<b>Capital Expenditures</b>						
West Point Biogas Optimization		-	-	(414,761)	(1,991,738)	(5,559,616)
Brightwater BW MBR Leap Upgrade		-	-	(2,099,767)	(299,367)	-
Transfer for Georgetown Wet Weather	(7,849,719)	(7,849,719)				
<b>Total Capital Expenditures</b>	\$ (7,849,719)	\$ (7,849,719)	\$ -	\$ (2,514,528)	\$ (2,291,105)	\$ (5,559,616)
<b>Other Fund Transactions</b>						
<b>Ending Fund Balance</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Fund Balance designated to current projects*</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Reserves</b>						
Brightwater Settlement						
Emergency Capital Reserve						
Construction Cash Balance Reserve						
Unexpended Bond Proceeds						
<b>Total Reserves</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Projected Shortfall	-	-	-	-	-	-
<b>Ending Undesignated Fund Balance</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Financial Plan Notes**

**CIP Budget Notes:**

All financial plans have the following assumptions, unless otherwise noted in below rows.

2017-2018 Carryover column reflects the best estimate of the inception to date budget balances at the end of the 2015-2016 biennium.

2019-2020 Proposed Budget ties to Hyperion.

2019-2020 Total Budget sums the carryover budget and the proposed budget.

Outyear revenue and expenditure budget assumptions tie to the outyears of the Attachment A, with exceptions explicitly noted.

To date, this fund has been used to record capital expenditures that should not be paid with bond proceeds because of private use issues. These projects are otherwise budgeted in 3611. This fund will also be used to budget projects that are 100% RIN funded.

**Revenue Notes:**

PSB financial policies allow enterprise divisions such as WTD to make transfers between its funds outside of appropriation authority. WTD uses this authority to make transfers to its capital funds based on the expected expenditures. Transfers to 3612 are made from operating revenues.

**CIP Fund Financial Position:**

All financial plans have the following assumptions, unless otherwise noted in below rows.

Biennial to Date (BTD) expenditures and revenue reflect EBS totals for budgetary accounts as of the most recent closed month.

2017-2018 Estimated reflects the best estimate for the biennium.

2019-2020 Estimated column reflects the best estimate for the biennium based on actuals.

Outyear revenue projections and expenditure estimates are based on the most recent projections and reflect current project plans.

\* Fund balance designated to current projects is for projects that are already appropriated. This fund balance cannot be used for other projects without disappropriating projects or creating a shortfall in the fund.

9/5/2018 Dan Kaplan and Caitlyn Hall



# WATER & LAND RESOURCES DIVISION

## Mission

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The Water and Land Resources Division protects, restores, and manages King County's water and land using the best available science, innovation, and collaboration with our partners and the community.

## Overview

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The Water and Land Resources Division (WLRD) is a division in the King County Department of Natural Resources and Parks (DNRP). WLRD is a natural resource management agency with responsibilities that include management of a stormwater utility in the unincorporated area; coordination of floodplain management, including acting as service provider for the King County Flood Control District; implementation of salmon recovery plans for the Water Resources Inventory Areas in King County; acquisition and stewardship of significant swaths of forest, riparian, and farm land; management of a group of applied scientists working for several divisions within DNRP; operation of the County's Environmental Lab; control and eradication of noxious weeds; and reduction of toxics exposure to people and the environment.

This diverse portfolio is supported by a wide array of revenue sources that include fees for services, interlocal agreements, federal and state grants, transfers from other County agencies for the provision of services, tax levies, and bonds.

## Challenges, Opportunities, and Strategic Issues

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### Clean Water, Healthy Habitat

Regional waters are impacted every day by pollution and toxics from cars and homes, wastewater treatment, and new land clearing and development for homes and infrastructure. Past development has significantly altered the landscape and historic industrial pollution continues to impact water quality.

Rapid population growth in Central Puget Sound brings new pressures to the Salish Sea. Aging and outdated infrastructure, including culverts that block fish passage, put both habitat and property at risk. As fish runs decline, Tribal treaty rights to harvest salmon and shellfish are under greater threat.

All parts of the watersheds, from the Cascade Crest to the waters of Puget Sound, are important to ecosystem health. Forested headwaters slowly release and filter water, streams and rivers provide shade and habitat for a multitude of species, and estuaries and saltwater shoreline areas are essential to the survival of Puget Sound salmon.

The Water and Land Resource Division plays a large role in building resiliency into watersheds. To do this, it restores wetlands, streams and floodplains, protects farm and forest lands, manages drainage, controls invasive species, and protects water quality. To do this strategically calls for bold actions, like the Land Conversation Initiative, but also necessitates focused and sustained work, something the division has done since it was formed in 1997.

## 2019-2020 Priorities

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The division is investing in the following priorities to support the Clean Water, Healthy Habitat initiative.

The current **Surface Water Management (SWM)** fee single-family residential rate is \$240.44 per year in the unincorporated area. Commercial property owners pay based on the amount of impervious surface (hard surfaces such as parking lots, roofs, and driveways) on the parcel. The more impervious surface on a parcel, the more stormwater runoff the parcel will create and the greater the need for stormwater controls and infrastructure. The Executive is proposing to increase this fee approximately 20 percent to \$289.00 per year per single family parcel. This percentage increase will also be applied to the other rate classes, which are based on impervious surface. This rate will fund various program increases including the creation of a fish passage program, catch basin cleaning in the Road Services Division, continued investment in asset management, and investments in the Bear Creek basin and Green/Duwamish watershed.

The County is initiating work with federal, state, and tribal officials to develop a **fish passage program** for watersheds within its jurisdiction. The program will identify barriers to fish passage, assess habitat and fish population restoration potential, coordinate with other protection and restoration actions, and sequence and accelerate investments to achieve the greatest benefits for salmon. This budget includes SWM funding to create a new program which will invest in eliminating barriers to fish passage by replacing culverts in the WLRD and Road's capital programs as well as additional water quality and habitat investments.

The 2018 Bear Creek Watershed Management Study was a state stormwater permit requirement to determine strategies for restoring water quality and aquatic health in Bear Creek. The watershed has been degraded over time by development activities that have increased stormwater runoff quantities and pollution and decreased instream habitat and riparian vegetation essential to fish use. The Study recommended a number of strategies to be implemented over the next decade. Key among these are stormwater control and habitat/riparian improvement projects, most of which will need to occur on privately owned land. This necessitates working with landowners on programs to plant trees, install rain gardens, or willingly sell property or development rights. In the next biennium, division staff will focus on identifying project sites and lands to be purchased.

**Farm, Fish, Flood (FFF)** is focused within the Agricultural Production District (APD) in the lower Snoqualmie Valley and designed to develop a durable, long-term agreement balancing development of

large-scale salmon restoration, flood control projects, and preservation of agricultural soils. WLRD staff coordinate the overall effort and provide technical expertise, design restoration projects, and work to improve the efficiency of permitting agricultural drainage projects.

Our **Green Duwamish** is focused on developing and implementing a multi-jurisdictional stormwater management plan for the Green/Duwamish Watershed. It represents the interests of watershed stakeholders who collaboratively identified stormwater management activities suitable for watershed-scale implementation and makes strides toward improving water quality, fish and wildlife habitat, and reducing impacts from climate change. Staff from across the division are leading the implementation of this plan.

The **Land Conservation Initiative (LCI)**, a collaborative effort among King County, its 39 cities, and a multitude of community and environmental partners, envisions the conservation of 65,000 acres of land within the next 30 years. This budget includes \$24 million of additional bond financing to accelerate the acquisition of high-value conservation lands that provide long-term public benefit. There is also a one-time investment of approximately \$6 million, which was previously held in reserve in the debt service fund. Staff in WLRD are coordinating closely with the Parks Division, the Conservation Futures Citizen Oversight Committee, and external partners to plan for accelerated conservation acquisitions.

The Land Conservation Initiative leverages the use of programs to conserve land such as the **Public Benefit Rating System (PBRs)**. The Executive's proposed budget includes an inflationary increase to the PBRs fee from \$480 to \$620 per applicant, the first increase to the program fees since 2010. The PBRs offers a point-based incentive to preserve open space on private property by providing the participant with a tax reduction. The property is assessed at a "current use" value, which is lower than the "highest and best use." The total points awarded results in a 50 to 90 percent reduction in land assessed value for the portion of property enrolled. It is estimated that the average participant realizes tax savings of \$1,500 within the first year of enrollment within this conservation program.

**Noxious weed control** is critical to environmental stewardship and can impact water quality. King County's Noxious Weed program is funded by a fee assessed on all property owners in King County (exempting federal and tribal owned land). This budget proposes a fee increase from \$3.17 to \$5.32 a parcel in order to increase its outreach and education to private landowners and increase its use of seasonal crews to target weed removal in lands conserved as part of the Land Conservation Initiative. Elements of the program are targeted to further equity and social justice (ESJ) goals by increasing outreach to and hiring from minority and underserved communities. The program will provide additional incentives to accelerate the implementation of stewardship plans, including offering direct weed control assistance from the new crews, equipment loans, transfer station vouchers, plant vouchers, technical assistance, and education resources.

**1 Million Trees/Carbon Sequestration.** The County's Strategic Climate Action Plan (SCAP) includes several forest-related goals that are anticipated to have direct carbon sequestration benefits, including development of a 30-year plan to maintain and enhance tree cover and protecting high-priority forestland and other open space. The 30-year plan will be developed by King County, cities, NGOs and other stakeholders. As part of this plan, King County and partners have committed to planting 1 million trees by 2020. In addition to planting trees as part of habitat restoration and green stormwater projects, WLRD staff are exploring opportunities to expand the funding sources that can be used to support forestland preservation. The division is exploring the potential of a countywide private forest project based on carbon offset potential, landowner willingness, and interest in purchasing offsets generated from urban and rural forest conservation programs.

**2019-2020 Executive Proposed Operating Budget  
SURFACE WATER MANAGEMENT LOCAL DRAINAGE SERVICES  
(EN\_A84500)**

<b>Operating Budget Summary</b>	<b>Expenditures</b>	<b>Revenues</b>	<b>Reg FTE</b>	<b>TLT</b>
<b>2017-2018 Revised Budget</b>	<b>73,415,220</b>	<b>70,423,796</b>	<b>122.6</b>	<b>1.0</b>
Base Budget Adjustments	(3,410,243)	(210,310)	0.0	0.0
Decision Package Adjustments	11,759,982	14,753,841	(3.8)	4.0
<b>2019-2020 Executive Proposed Budget</b>	<b>81,764,959</b>	<b>84,967,327</b>	<b>118.8</b>	<b>5.0</b>
<b>2019-2020 Executive Proposed Ordinance</b>	<b>81,765,000</b>	<b>84,968,000</b>	<b>118.8</b>	<b>5.0</b>

**Notes**

1. The 2017-2018 Revised Budget equals the 2017-2018 Adopted Biennial Budget plus all Adopted Supplementals as of the publication of this document.
2. Adjust base budget to remove one-time changes, annualize supplemental changes, and increase personnel budgets to 2019-2020 rates. Personnel budgets reflect projected 2019-2020 salary and benefit rates, current position classifications, and step/merit increases.
3. The Executive Proposed Budget is the sum of the Revised Budget, Base Budget Adjustments, and Decision Package Adjustments. All FTEs / TLTs are rounded to the nearest 1/10th of a position and in some cases, rounded numbers may not add up to the FTE/TLT totals in Executive Proposed. In the Executive Proposed Ordinance, expenditure and revenue totals are rounded up to the nearest 1,000 and FTEs and TLTs are rounded up to the maximum monthly FTEs / TLTs in the Biennium.

<b>Decision Package Adjustment Detail</b>	<b>Expenditures</b>	<b>Revenues</b>	<b>Reg FTE</b>	<b>TLT</b>
<b>Direct Service Changes</b>				
(DS_002) Bear Creek Initiative Implement the recommendations of the 2018 Bear Creek Watershed Management Study by focusing on acquiring private land for projects that improve water quality and aquatic health. This change includes a senior-level basin steward project manager focused on engaging private land owners and the community, and a consultant to study the in-lieu fee programs.	481,487	0	1.0	0.0
(DS_003) Floodplain Large Wood Management Fund three activities related to large wood management, which involves adding wood to rivers for habitat and flood risk reduction and removing wood from rivers due to safety concerns. This package includes funding for a stakeholder process related to the Cedar River, risk reduction action, and regional policy review and stakeholder engagement.	171,650	0	0.0	0.0
(DS_005) Strategic Plan for Stormwater Services Section Design and manage a strategic plan for the Stormwater Services (SWS) section. An existing vacancy will be repurposed to supervise strategic planning, policy, and performance functions, per a consultant's study of the section's organizational structure and functions. A consultant will be engaged during the initial phase to facilitate a series of workshops with division leadership and SWS staff.	240,000	0	0.0	0.0

**2019-2020 Executive Proposed Operating Budget**  
**SURFACE WATER MANAGEMENT LOCAL DRAINAGE SERVICES**  
**(EN\_A84500)**

Decision Package Adjustment Detail	Expenditures	Revenues	Reg FTE	TLT
(DS_006) White Center Urban Renewal Initiative Scope and develop a Green Stormwater Infrastructure (GSI) master plan for urban renewal of White Center. The development of the master plan will be done through a consultant who will partner with the County's Parks, Transit, Permitting, and Roads divisions.	300,000	200,000	0.0	0.0
(DS_008) Our Green Duwamish Initiative Add capacity to collaborate with partners to enhance stormwater pollution controls in the Green Duwamish watershed (GDW). This proposal includes water quality modeling in collaboration with the Department of Ecology focused on understanding sources and impacts of contaminants in the GDW and water quality testing required by the National Pollution Discharge Elimination System Permit (NPDES).	233,000	0	0.0	0.0
(DS_010) Low Income Discount SWM Fees Reduce SWM fee revenue from the proposed fee increase for the existing Senior and Disabled Discount program, as well as a Low-Income Discount program geared toward single family parcels (SFPs) and low-income residents in government-owned multi-family properties.	0	(250,000)	0.0	0.0
(DS_011) Stormwater Asset Management Add contractor funding to proactively manage stormwater facilities and assets, including vegetation control, while addressing deferred maintenance and overgrown vegetation and trees.	1,600,000	0	0.0	0.0
(DS_012) Lower Green River Corridor Plan Review Fund the County's review and comment on the Flood Control District's documents developed as part of the Lower Green River Corridor Plan.	150,000	0	0.0	0.0
(DS_013) Fish Passage Inventory Assessment Add four TLTs and consulting support to perform a fish passage assessment on the County's stream crossings, allowing for better identification and prioritization in the County's work program to clear barriers to fish passage.	1,478,000	0	0.0	4.0
(DS_025) Increase PBRS Fee Increase the current Public Benefit Rating System (PBRS) fee from \$480 to \$620. This increase is an inflationary adjustment from the time of the last increase, calculated using the consumer price index (CPI-W).	0	14,000	0.0	0.0
(DS_028) SWM Capital Pay-As-You-Go Increase Increase the SWM fee transfer to the WLRD capital Pay-As-You-Go (PAYG) program	4,225,000	0	0.0	0.0

**2019-2020 Executive Proposed Operating Budget**  
**SURFACE WATER MANAGEMENT LOCAL DRAINAGE SERVICES**  
**(EN\_A84500)**

Decision Package Adjustment Detail	Expenditures	Revenues	Reg FTE	TLT
(DS_029) SWM Fee Increase to Support WLR Programs Update revenues to reflect the increased SWM fee (\$289 per single-family parcel or approximately 20 percent) to support status quo operating and capital programs, program increases in decision packages DS_001 through DS_013, DS_030 through DS_031, and an increase to the pay-as-you-go transfer to the WLR CIP program in DS_028.	0	13,201,539	0.0	0.0
(DS_030) SWM Fee Increase to Support Roads Drainage Programs Increase SWM fee revenue to support additional right-of-way drainage projects, including one-time catch basin cleaning and removals of barriers to fish passage.	4,522,000	0	0.0	0.0
(DS_031) Flood Hazard Management Plan (FHMP) Update the 2020 King County Flood Hazard Management Plan (FHMP), including a review and update of policies and risks, stakeholder process, report of accomplishments, and identification of new actions. This proposal is funded with the Surface Water Management fee and transfers from Roads Services and Wastewater Treatment divisions.	250,312	150,000	0.0	0.0
(DS_120) Central Climate Change Costs Update Adjust the share of the central climate-related costs for 2019-2020; these costs include investments to advance the Strategic Climate Action Plan (SCAP), membership fees in climate related organizations, consulting fees, an update to the 2020 SCAP, as well as central staff to help agencies across the County with climate related activities. The allocation methodology is based on greenhouse gas emissions.	(636)	0	0.0	0.0
<b>Administrative Service Changes</b>				
(AC_001) Loan-In, Loan-Out, and Fund Transfer Adjustments Adjust for loan-in and loan-out (LILLO) estimates based on 2019-2020 proposed budgets to reflect the staffing plans for SWM, other WLRD funds, and Roads. Adjusts transfers to Shared Services and CIP pay-as-you-go for SWM-funded activities.	1,367,574	0	0.0	0.0
(AC_002) Centralization of the F&A section Reflect the centralization of the Finance and Administration (F&A) section during 2017-2018. This change is a net-zero adjustment that centralizes the majority of the finance positions within the F&A section, with a goal to have standard work products, increase efficiencies, and improve accountability. Five positions (four business and finance officers and one contract specialist) were moved from SWM Sub-fund 1211 to Shared Services Fund 1210.	(1,356,622)	0	(5.0)	0.0
(AC_003) Convert Partial FTE to Full FTE Convert one project manager position from a partial to 1.0 FTE to meet the full scope of the responsibilities of the position and help with recruitment and retention.	75,207	0	0.3	0.0

**2019-2020 Executive Proposed Operating Budget**  
**SURFACE WATER MANAGEMENT LOCAL DRAINAGE SERVICES**  
**(EN\_A84500)**

<b>Decision Package Adjustment Detail</b>	<b>Expenditures</b>	<b>Revenues</b>	<b>Reg FTE</b>	<b>TLT</b>
(AC_083) Department of Local Services Cost Allocation Fund the Department of Local Services (DLS) Director's Office based on the agency's operating expenditures in unincorporated King County.	51,858	0	0.0	0.0
<b>Technical Adjustments</b>				
(TA_003) Department of Natural Resources and Parks Overhead Allocation Update the overhead allocation for the Department of Natural Resources and Parks.	25,040	0	0.0	0.0
(TA_045) Overhead Cost Distribution to WLRD Funds Distribute central rates, administrative, and overhead costs from central fund level to appropriate section level.	(1,832,870)	0	0.0	0.0
(TA_049) Centralization of Revenues Move revenues in WLRD funds 1210 and 1211 to central cost centers to help streamline budgeting, monitoring, and reporting of revenues. This does not include fully-funded units like WRIAs.	0	0	0.0	0.0
(TA_050) Revenue Updates (Non-Fee Increase Related) Adjust revenues based on updated forecasts, excluding the SWM fee increase.	0	1,438,302	0.0	0.0
(TA_113) Vacancy Rate Adjustment Capture the salary savings associated with employee turnover and provide greater transparency in the budget.	(896,000)	0	0.0	0.0
<b>Central Rate Adjustments</b>	674,982	0	0.0	0.0
<b>Total Decision Package Adjustments</b>	11,759,982	14,753,841	(3.8)	4.0

**2019-2020 Proposed Financial Plan**  
**Surface Water Management Operating Fund/000001211**

Category	2017-2018 Estimated <sup>2</sup>	2019-2020 Proposed <sup>3</sup>	2021-2022 Projected <sup>4</sup>	2023-2024 Projected <sup>4</sup>
<b>Beginning Fund Balance <sup>1</sup></b>	<b>7,922,842</b>	<b>7,353,459</b>	<b>10,555,827</b>	<b>6,833,316</b>
<b>Revenues</b>				
SWM Fees <sup>5</sup>	68,722,357	81,271,627	76,822,769	69,610,591
General Fund	1,700,000	1,800,000	1,908,000	2,022,480
Other Revenues	1,870,857	1,895,700	1,545,700	1,545,700
<b>Total Revenues</b>	<b>72,293,213</b>	<b>84,967,327</b>	<b>80,276,469</b>	<b>73,178,771</b>
<b>Expenditures</b>				
Operating Expenditures	(39,865,094)	(45,204,245)	(44,843,299)	(47,847,800)
Contribution to Shared Services <sup>6</sup>	(8,763,272)	(9,405,080)	(9,931,764)	(10,577,329)
GO Bond- Debt Service	(3,288,762)	(2,723,298)	(2,875,803)	(3,062,730)
CIP PAYG <sup>7</sup>	(11,892,509)	(16,210,336)	(17,118,115)	(18,230,792)
Roads Drainage/ROW	(9,052,959)	(4,200,000)	(3,000,000)	(1,500,000)
Fish Passage Projects (Roads)		(4,022,000)	(2,500,000)	(2,300,000)
Fish Passage Projects <sup>8</sup>			(3,730,000)	(3,680,000)
<b>Total Expenditures</b>	<b>(72,862,596)</b>	<b>(81,764,959)</b>	<b>(83,998,981)</b>	<b>(87,198,651)</b>
<b>Estimated Underexpenditures</b>				
<b>Other Fund Transactions</b>				
<b>Total Other Fund Transactions</b>	-	-	-	-
<b>Ending Fund Balance</b>	7,353,459	10,555,827	6,833,316	(7,186,564)
<b>Reserves</b>				
Cash Flow Reserve (90 days) <sup>9</sup>		(10,220,620)	(10,499,873)	(10,899,831)
Rainy Day Reserve (30 Days)	(3,035,942)			
Rate Reserve <sup>10</sup>	(4,317,517)	(335,209)		
<b>Total Reserves</b>	<b>(7,353,459)</b>	<b>(10,555,829)</b>	<b>(10,499,873)</b>	<b>(10,899,831)</b>
Reserve Shortfall	-	2	3,666,556	18,086,396
<b>Ending Undesignated Fund Balance</b>	-	-	-	-

**Financial Plan Notes**

<sup>1</sup> Beginning Balance is consistent with the Finance reported fund balance and the EBS GL\_30.

<sup>2</sup> 2017-2018 Estimated reflects the best estimate for the biennium through May 2018 using GL\_10.

<sup>3</sup> 2019-2020 Proposed Budget ties with expenditure and revenue data from Hyperion as of August 31, 2018.

<sup>4</sup> 2021-2022 & 2023-2024 budgets assume other revenue and expense growth based on the blended labor rate from the Budget and Financial Planning Assumptions provided by the Office of Performance, Strategy & Budget.

<sup>5</sup> SWM Fee revenues based on SWM projections including assumption of annexations - North Highline Y, Silver, Triangle in 2021, and Renton West Hill, East Federal Way in 2023.

<sup>6</sup> Transfer to support programs in the Shared Services fund including WRIAs, Lab, Science, and Regional Services. This does not include the costs for the SWM fund's allocation of WLRD Administration, these are included within the Operating Expenditures line item.

<sup>7</sup> 2019-20 CIP PAYG includes \$4,155,000 towards design and construction of fish passage projects in WLR.

<sup>8</sup> Future WLRD-Roads split of fish passage funding will be determined after the completion of the inventory assessment, and priority based on benefit to fish habitat.

<sup>9</sup> Cash Flow reserve is based on three months of expense projections of the current biennium.

<sup>10</sup> Rate reserve is held to reduce the impact of future required SWM fee increases to maintain the status-quo program.

Updated on August 31, 2018 by Aaron Sommer

**2019-2020 Executive Proposed Operating Budget  
WATER AND LAND RESOURCES (EN\_A74100)**

<b>Operating Budget Summary</b>	<b>Expenditures</b>	<b>Revenues</b>	<b>Reg FTE</b>	<b>TLT</b>
<b>2017-2018 Revised Budget</b>	<b>73,032,238</b>	<b>72,639,215</b>	<b>168.8</b>	<b>0.0</b>
Base Budget Adjustments	3,164,138	57,501	0.0	0.0
Decision Package Adjustments	(1,334,736)	1,914,275	12.2	2.0
<b>2019-2020 Executive Proposed Budget</b>	<b>74,861,640</b>	<b>74,610,991</b>	<b>180.9</b>	<b>2.0</b>
<b>2019-2020 Executive Proposed Ordinance</b>	<b>74,862,000</b>	<b>74,611,000</b>	<b>180.9</b>	<b>2.0</b>

**Notes**

1. The 2017-2018 Revised Budget equals the 2017-2018 Adopted Biennial Budget plus all Adopted Supplementals as of the publication of this document.
2. Adjust base budget to remove one-time changes, annualize supplemental changes, and increase personnel budgets to 2019-2020 rates. Personnel budgets reflect projected 2019-2020 salary and benefit rates, current position classifications, and step/merit increases.
3. The Executive Proposed Budget is the sum of the Revised Budget, Base Budget Adjustments, and Decision Package Adjustments. All FTEs / TLTs are rounded to the nearest 1/10th of a position and in some cases, rounded numbers may not add up to the FTE/TLT totals in Executive Proposed. In the Executive Proposed Ordinance, expenditure and revenue totals are rounded up to the nearest 1,000 and FTEs and TLTs are rounded up to the maximum monthly FTEs / TLTs in the Biennium.

<b>Decision Package Adjustment Detail</b>	<b>Expenditures</b>	<b>Revenues</b>	<b>Reg FTE</b>	<b>TLT</b>
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**Direct Service Changes**

(DS_001) Fish Passage Program Special Program Manager Establish an action-oriented Fish Passage program with a special program manager to oversee development, process, and communication related to an effective fish blockage removal program, including internal and external coordination with tribes, state agencies, and local jurisdictions. This position will oversee the proposed fish passage assessment (DS_013 in the SWM fund) and will track progress on the proposed capital projects for fish barrier removal.	344,239	0	1.0	0.0
(DS_004) Equity and Social Justice Initiative Training and Internships Increase WLRD's commitment to Equity and Social Justice (ESJ) work and internship program, and continue forward momentum to build a common understanding of ESJ concepts through training and recruitment efforts.	100,000	0	0.0	0.0
(DS_007) Community Engagement Project Manager Add a project/program manager to engage with the community and improve customer service on capital project delivery. This position will also focus on ensuring equitable outcomes across division-wide programs.	239,761	0	1.0	0.0

**2019-2020 Executive Proposed Operating Budget  
WATER AND LAND RESOURCES (EN\_A74100)**

Decision Package Adjustment Detail	Expenditures	Revenues	Reg FTE	TLT
(DS_008) Our Green Duwamish Initiative Water Quality Planner/Project Manager Add a water quality planner/project manager to implement the recently launched Our Green Duwamish Initiative (OGDI), focusing on improving the effectiveness of stormwater controls.	263,471	0	1.0	0.0
(DS_009) Consultant Support for Fish Farm Flood Commitments Add consultant support for continued work on a three-year work plan developed with the Farm, Fish and Flood (FFF) 1.0 Advisory Committee to address concerns in the Snoqualmie Valley. A consultant and staff across WLRD will provide support for the new FFF 2.0 Committee, its caucuses and task forces, which were formed to provide accountability.	200,000	0	0.0	0.0
(DS_011) Ecological Restoration Project Asset Management Add funding for consultant analysis on the benefits of applying asset management principles to ecological restoration projects.	100,000	0	0.0	0.0
(DS_014) Kokanee Recovery TLT Add a senior program manager TLT to manage the Kokanee salmon conservation efforts. The population of Kokanee, a land-locked salmon native to the Lake Sammamish and Lake Washington watershed, has declined dramatically in recent years. This position will manage salmon recovery policy issues, collaborate with partner jurisdictions, and coordinate recovery efforts. This proposal relocates this work program from the Department of Natural Resources and Parks Director's Office to the Water and Land Resources Division and expands the program.	332,113	0	0.0	1.0
(DS_021) Environmental Lab Positions Add 1.5 environmental laboratory scientist positions to develop, implement, and perform method analyses due to increased workloads. Add an environmental laboratory scientist (TLT) to backfill scientists working on the Laboratory Information Management System (LIMS) Modernization project. These positions are funded by the Wastewater Treatment Division (WTD).	1,195,062	0	1.5	1.0
(DS_022) Technical Coordinator in WRIA 8 Add a technical coordinator to support WRIA 8, backed by non-SWM revenue, for work that was previously performed through a loan-in arrangement from the WLRD Science Section.	300,828	0	1.0	0.0

**2019-2020 Executive Proposed Operating Budget  
WATER AND LAND RESOURCES (EN\_A74100)**

Decision Package Adjustment Detail	Expenditures	Revenues	Reg FTE	TLT
<hr/>				
(DS_120) Central Climate Change Costs Update Adjust the share of the central climate-related costs for 2019-2020; these costs include investments to advance the Strategic Climate Action Plan (SCAP), membership fees in climate related organizations, consulting fees, an update to the 2020 SCAP, as well as central staff to help agencies across the County with climate related activities. The allocation methodology is based on greenhouse gas emissions.	(1,184)	0	0.0	0.0
<b>Administrative Service Changes</b>				
(AC_001) Loan-In, Loan-Out, and Fund Transfer Adjustments Adjust for loan-in and loan-out (LILo) estimates based on 2019-2020 proposed budgets to reflect the staffing plans for shared services, other WRLD funds, and WTD.	(634,458)	0	0.0	0.0
(AC_002) Centralization of the F&A Section Reflect the centralization of the Finance and Administration (F&A) that occurred after 2017-2018 budget cycle to better align fiscal responsibility with supervision of work and general management of the section through a net-zero adjustment. This change centralizes majority of the finance positions within F&A section, with a goal to have standard work products, increase efficiencies, and improve accountability. Five positions (four business and finance officers and one contract specialist) were moved from SWM sub-Fund 1211 to Shared Services Fund 1210.	1,356,620	0	5.0	0.0
(AC_003) Partial to 1.0 FTE Conversion of Two Positions Convert two positions from partial to 1.0 FTEs to meet the full scope of the responsibilities of the positions and help with recruitment and retention: water quality planner/project manager (currently 0.6 FTE), business & finance officer (currently 0.75 FTE).	164,062	0	0.7	0.0
(AC_004) Contract Specialist TLT to FTE Convert an existing TLT contract specialist (unbudgeted) to an FTE to reflect the ongoing body of work as required per HR policy and the labor agreement. The position bills the majority of its time to projects funded by the Flood Control District or other capital programs.	0	0	1.0	0.0
<b>Technical Adjustments</b>				
(TA_003) Department of Natural Resources and Parks Overhead Allocation Update the overhead allocation for the Department of Natural Resources and Parks.	46,534	0	0.0	0.0

**2019-2020 Executive Proposed Operating Budget  
WATER AND LAND RESOURCES (EN\_A74100)**

<b>Decision Package Adjustment Detail</b>	<b>Expenditures</b>	<b>Revenues</b>	<b>Reg FTE</b>	<b>TLT</b>
(TA_020) Local Hazardous Waste – Adjustment for Work Plan Provide one-time funding for contracted services to support the Local Hazardous Waste Management Program's (LHWMP) 2020 Comprehensive Plan Update. This also includes various technical budget adjustments including the removal of one-time expenditures and aligns the budget with the management structure of the program.	(901,184)	0	0.0	0.0
(TA_045) Overhead Cost Distribution to WLRD Funds Distribute central rates, administrative, and overhead costs from central fund level to appropriate section/organizational unit	0	0	0.0	0.0
(TA_049) Centralization of Revenues Move revenues in WLRD funds 1210 and 1211 to central cost centers to help streamline budgeting, monitoring, and reporting of revenues. Fully funded organizational units, for example WRIAs, were exempted from this centralization effort.	0	0	0.0	0.0
(TA_050) Revenue Updates (Non-Fee Increase Related) Adjust revenues based on updated forecasts.	0	1,914,275	0.0	0.0
(TA_113) Vacancy Rate Adjustment Capture the salary savings associated with employee turnover and provide greater transparency in the budget.	(308,000)	0	0.0	0.0
<b>Central Rate Adjustments</b>	(4,132,600)	0	0.0	0.0
<b>Total Decision Package Adjustments</b>	(1,334,736)	1,914,275	12.2	2.0

**2019-2020 Proposed Financial Plan  
Shared Services Operating Fund/000001210**

<b>Category</b>	<b>2017-2018 Estimated <sup>2</sup></b>	<b>2019-2020 Proposed Budget <sup>3</sup></b>	<b>2021-2022 Projected <sup>4</sup></b>	<b>2023-2024 Projected <sup>4</sup></b>
<b>Beginning Fund Balance <sup>1</sup></b>	<b>384,221</b>	<b>170,000</b>	<b>13,922</b>	<b>118,836</b>
<b>Revenues</b>				
WTD Operating <sup>5</sup>	30,521,292	33,630,572	35,566,684	37,949,652
Local Hazardous Waste	12,149,925	13,165,574	13,533,246	14,439,974
Surface Water Management Fee <sup>6</sup>	14,693,209	13,956,576	14,753,104	15,736,816
Flood Control District	4,264,585	4,244,936	4,482,652	4,782,990
Noxious Weeds	897,734	679,382	717,427	765,495
Lake Geneva Lake Mgmt. District	29,000	29,000	29,000	29,000
Other Revenue <sup>7</sup>	8,007,211	8,904,951	9,728,876	10,380,711
<b>Total Revenues</b>	<b>70,562,956</b>	<b>74,610,991</b>	<b>78,810,990</b>	<b>84,084,638</b>
<b>Expenditures <sup>8</sup></b>				
WLRD Administration	(21,600,977)	(9,457,098)	(10,212,679)	(10,896,929)
Environmental Lab	(22,287,162)	(28,742,330)	(30,360,348)	(32,394,492)
Local Hazardous Waste	(10,555,606)	(13,170,686)	(13,538,644)	(14,445,734)
Science and Technical Services	(10,180,591)	(15,569,948)	(16,486,217)	(17,590,794)
Lake Geneva Lake Mgmt. District	(15,898)	(20,000)	(34,456)	(30,075)
Regional Services	(6,136,943)	(7,901,578)	(8,073,730)	(8,614,670)
<b>Total Expenditures</b>	<b>(70,777,177)</b>	<b>(74,861,640)</b>	<b>(78,706,076)</b>	<b>(83,972,693)</b>
<b>Estimated Underexpenditures <sup>9</sup></b>		94,571		
<b>Other Fund Transactions</b>				
<b>Total Other Fund Transactions</b>	-	-	-	-
<b>Ending Fund Balance</b>	170,000	13,922	118,836	230,781
<b>Reserves</b>				
Expenditure Reserve (s) <sup>10</sup>	(170,000)	(13,918)	(118,836)	(230,781)
<b>Total Reserves</b>	<b>(170,000)</b>	<b>(13,918)</b>	<b>(118,836)</b>	<b>(230,781)</b>
Reserve Shortfall	-	-	-	-
<b>Ending Undesignated Fund Balance</b>	-	<b>4</b>	-	-

**Financial Plan Notes**

<sup>1</sup> Beginning Balance is consistent with the Finance reported fund balance and the EBS GL\_30.

<sup>2</sup> 2017-2018 Estimated reflects the best estimate for the biennium through May 2018 using GL\_10.

<sup>3</sup> 2019-2020 Proposed Budget ties with expenditure and revenue data from Hyperion as of August 31, 2018.

<sup>4</sup> Outyear projections assumes revenue and expenditure growth of 5.6% in 2021-2022 and 6.7% in 2023-2024 per PSB guidance for blended labor rates. Lake Geneva Lake Management District (LMD) revenue and expenditure is based on 2016-2025 LMD Plan

<sup>5</sup> Revenue from the Wastewater Treatment Division is for the Science Section and Environmental Lab and is based on the level of services that the division requests from WLRD.

<sup>6</sup> The transfer from SWM includes \$9.4m of funding for programs including WRIAs, Lab, Science, and Regional Services. It also includes \$4.55m for the SWM fund's allocation of WLRD Administration costs.

<sup>7</sup> Other Revenue includes federal and state grants, contracts for services with other jurisdictions, and internal transfers from other county agencies.

<sup>8</sup> Some of the central overhead costs such as KCIT and FMD were budgeted at the Section/Group level. In past, these costs were recovered in Shared Services Fund through an internal allocation model.

<sup>9</sup> A 1% underexpenditure assumption is calculated on WLRD Administration in 2019-2020.

<sup>10</sup> Residual funds are shown as a Expenditure Reserve. Residuals are included in our next budget planning to reduce Water and Land administration cost distribution.

This plan was updated by Aaron Sommer September 5, 2018.

**2019-2020 Executive Proposed Operating Budget  
NOXIOUS WEED PROGRAM (EN\_A38400)**

<b>Operating Budget Summary</b>	<b>Expenditures</b>	<b>Revenues</b>	<b>Reg FTE</b>	<b>TLT</b>
<b>2017-2018 Revised Budget</b>	<b>5,629,576</b>	<b>5,107,382</b>	<b>16.5</b>	<b>0.0</b>
Base Budget Adjustments	430,608	(92,092)	0.0	0.0
Decision Package Adjustments	2,968,396	3,216,985	2.9	0.0
<b>2019-2020 Executive Proposed Budget</b>	<b>9,028,580</b>	<b>8,232,275</b>	<b>19.3</b>	<b>0.0</b>
<b>2019-2020 Executive Proposed Ordinance</b>	<b>9,029,000</b>	<b>8,233,000</b>	<b>19.3</b>	<b>0.0</b>

**Notes**

1. The 2017-2018 Revised Budget equals the 2017-2018 Adopted Biennial Budget plus all Adopted Supplementals as of the publication of this document.
2. Adjust base budget to remove one-time changes, annualize supplemental changes, and increase personnel budgets to 2019-2020 rates. Personnel budgets reflect projected 2019-2020 salary and benefit rates, current position classifications, and step/merit increases.
3. The Executive Proposed Budget is the sum of the Revised Budget, Base Budget Adjustments, and Decision Package Adjustments. All FTEs / TLTs are rounded to the nearest 1/10th of a position and in some cases, rounded numbers may not add up to the FTE/TLT totals in Executive Proposed. In the Executive Proposed Ordinance, expenditure and revenue totals are rounded up to the nearest 1,000 and FTEs and TLTs are rounded up to the maximum monthly FTEs / TLTs in the Biennium.

<b>Decision Package Adjustment Detail</b>	<b>Expenditures</b>	<b>Revenues</b>	<b>Reg FTE</b>	<b>TLT</b>
<b>Direct Service Changes</b>				
(DS_020) Noxious Weed Control Program Enhancements Expand the noxious weed control program to accelerate noxious weed control. This includes funding for the deployment of four new six-member crews for six months per year, leveraging existing partnerships. These crews will focus on the removal of noxious weeds in high-priority, weed infested open-space lands identified in the Land Conservation Initiative. The proposal also includes a noxious weed specialist to supervise the crews and a .65 noxious weed specialist to support the scheduling and deployment of crews. In addition, this proposal converts two noxious weed specialists from part-time to full-time to support additional landowner stewardship and weed control, and funding for increased landowner incentives such as equipment loans and transfer station vouchers.	2,569,420	0	2.2	0.0
(DS_026) Expand Noxious Weed Control Communication and Engagement Add a 0.65 education specialist to help educate non-English speaking residents in underserved communities.	135,542	0	0.7	0.0

**2019-2020 Executive Proposed Operating Budget  
NOXIOUS WEED PROGRAM (EN\_A38400)**

<b>Decision Package Adjustment Detail</b>	<b>Expenditures</b>	<b>Revenues</b>	<b>Reg FTE</b>	<b>TLT</b>
(DS_027) Noxious Weed Control Program Fee Increase Increases the Noxious Weed fee from \$3.17 to \$5.32 per single family parcel. This increase will cover the program's inflationary cost increases and expand the program to prevent new priority noxious weeds from establishing, control at least 98 percent of the regulated noxious weed sites in the County, meet requirements of the state noxious weed law, and implement key County initiatives.	0	3,201,419	0.0	0.0
<b>Administrative Service Changes</b>				
(AC_001) Loan-In, Loan-Out, and Fund Transfer Adjustments Adjust for loan-in and loan-out estimates based on 2019-2020 proposed budgets to reflect the Noxious Weed staffing plan, adjust fund transfers, and consolidate supplies accounts.	(78,069)	0	0.0	0.0
(AC_083) Department of Local Services Cost Allocation Fund the Department of Local Services (DLS) Director's Office based on the agency's operating expenditures in unincorporated King County.	2,317	0	0.0	0.0
<b>Technical Adjustments</b>				
(TA_003) Department of Natural Resources and Parks Overhead Allocation Update the overhead allocation for the Department of Natural Resources and Parks.	19,726	0	0.0	0.0
(TA_045) Overhead Cost Distribution to WLRD Funds Distributes central rates, administrative and overhead costs from the fund level to appropriate section level.	(186,520)	0	0.0	0.0
(TA_050) Revenue Updates (Non-Fee Increase Related) Revise budgeted revenues to match current forecast, excluding the Noxious Weed fee increase.	0	15,566	0.0	0.0
<b>Central Rate Adjustments</b>	505,980	0	0.0	0.0
<b>Total Decision Package Adjustments</b>	<b>2,968,396</b>	<b>3,216,985</b>	<b>2.9</b>	<b>0.0</b>

**2019-2020 Proposed Financial Plan  
Noxious Weed/000001311**

<b>Category</b>	<b>2017-2018 Estimated<sup>2</sup></b>	<b>2019-2020 Proposed<sup>3</sup></b>	<b>2021-2022 Projected<sup>4</sup></b>	<b>2023-2024 Projected<sup>4</sup></b>
<b>Beginning Fund Balance<sup>1</sup></b>	<b>1,232,959</b>	<b>945,610</b>	<b>375,020</b>	<b>(610,390)</b>
<b>Revenues</b>				
Noxious Weed Fee	4,678,952	7,924,999	8,005,942	8,097,186
Grants/Other	328,430	307,276	307,276	307,276
<b>Total Revenues</b>	<b>5,007,382</b>	<b>8,232,275</b>	<b>8,313,218</b>	<b>8,404,462</b>
<b>Expenditures<sup>5</sup></b>				
Salary & Benefits	(3,196,228)	(4,055,592)	(4,282,705)	(4,569,646)
Supplies and Other Services	(407,404)	(2,873,639)	(3,037,436)	(3,204,495)
Intragovernmental Services	(1,691,099)	(2,099,349)	(2,216,913)	(2,361,012)
<b>Total Expenditures</b>	<b>(5,294,731)</b>	<b>(9,028,580)</b>	<b>(9,537,054)</b>	<b>(10,135,154)</b>
<b>Estimated Underexpenditures<sup>6</sup></b>		225,715	238,426	253,379
<b>Other Fund Transactions</b>				
<b>Total Other Fund Transactions</b>	-	-	-	-
<b>Ending Fund Balance<sup>7</sup></b>	<b>945,610</b>	<b>375,020</b>	<b>(610,390)</b>	<b>(2,087,703)</b>
<b>Reserves</b>				
Rainy Day Reserve (30 days) <sup>8</sup>	(220,614)	(375,020)	(397,377)	(422,298)
Rate Reserve <sup>9</sup>	(724,996)			
<b>Total Reserves</b>	<b>(945,610)</b>	<b>(375,020)</b>	<b>(397,377)</b>	<b>(422,298)</b>
Reserve Shortfall <sup>7</sup>	-	-	1,007,767	2,510,001
<b>Ending Undesignated Fund Balance</b>	-	-	-	-

**Financial Plan Notes**

<sup>1</sup> Beginning Balance is consistent with Finance reported fund balance and the EBS GL\_30.

<sup>2</sup> 2017-2018 Estimated reflects the best estimate for the biennium through June 2018 using GL\_10.

<sup>3</sup> 2019-2020 Proposed Budget ties with expenditure and revenue data from Hyperion as of September 5, 2018.

<sup>4</sup> Noxious Weed Fee revenues are assumed to increase by .067% in 2021-2022 and .079% in 2023-2024 based on parcel growth by the Assessor's Office. The proposed Noxious Weed fee of \$5.32/parcel is assumed for out-year revenues.

<sup>5</sup> Expenditures are assumed to increase based on blended labor rate from the Budget and Financial Planning Assumptions provided by the Office of Performance, Strategy & Budget.

<sup>6</sup> The financial plan assumes a 2.5% underexpenditure target related to assumed expenditures associated with weed removal contractors to address non-compliant property owners per RCW 17.10.170.

<sup>7</sup> Any future inflationary adjustments to the Noxious Weed Control Fee are not assumed in out-year revenues from 2021 through 2024.

<sup>8</sup> This calculation is based upon current Fund management policy that includes a 30-day Rainy Day Reserve.

<sup>9</sup> This calculation is based on the available balance after meeting the Rainy Day Reserve. It is applied towards inflationary cost increases in future years to maintain service levels.

This plan was updated by Aaron Sommer on September 4, 2018.

**2019-2020 Executive Proposed Operating Budget  
KING COUNTY FLOOD CONTROL CONTRACT(EN\_A56100)**

<b>Operating Budget Summary</b>	<b>Expenditures</b>	<b>Revenues</b>	<b>Reg FTE</b>	<b>TLT</b>
<b>2017-2018 Revised Budget</b>	<b>202,645,079</b>	<b>202,645,083</b>	<b>54.0</b>	<b>2.0</b>
Base Budget Adjustments	(63,442,346)	(64,714,885)	0.0	0.0
Decision Package Adjustments	(2,166,518)	(893,978)	0.0	2.0
<b>2019-2020 Executive Proposed Budget</b>	<b>137,036,215</b>	<b>137,036,220</b>	<b>54.0</b>	<b>4.0</b>
<b>2019-2020 Executive Proposed Ordinance</b>	<b>137,037,000</b>	<b>137,037,000</b>	<b>54.0</b>	<b>4.0</b>

**Notes**

1. The 2017-2018 Revised Budget equals the 2017-2018 Adopted Biennial Budget plus all Adopted Supplementals as of the publication of this document.

2. Adjust base budget to remove one-time changes, annualize supplemental changes, and increase personnel budgets to 2019-2020 rates. Personnel budgets reflect projected 2019-2020 salary and benefit rates, current position classifications, and step/merit increases.

3. The Executive Proposed Budget is the sum of the Revised Budget, Base Budget Adjustments, and Decision Package Adjustments. All FTEs / TLTs are rounded to the nearest 1/10th of a position and in some cases, rounded numbers may not add up to the FTE/TLT totals in Executive Proposed. In the Executive Proposed Ordinance, expenditure and revenue totals are rounded up to the nearest 1,000 and FTEs and TLTs are rounded up to the maximum monthly FTEs / TLTs in the Biennium.

<b>Decision Package Adjustment Detail</b>	<b>Expenditures</b>	<b>Revenues</b>	<b>Reg FTE</b>	<b>TLT</b>
<b>Direct Service Changes</b>				
(DS_024) Skykomish and Cedar River Projects Fund the South Fork Skykomish Flood Hazard Study, which will update out-of-date maps by using current technology.	305,000	0	0.0	0.0
<b>Administrative Service Changes</b>				
(AC_001) Loan-In, Loan-Out, and Fund Transfer Adjustments Adjust for loan-in and loan-out (LILO) estimates based on 2019-2020 proposed budgets to reflect the staffing plans for the Flood District, other WLRD funds, and Roads. Adjust fund transfers from the Flood District to other WLRD funds.	(2,958,225)	0	0.0	0.0
(AC_083) Department of Local Services Cost Allocation Fund the Department of Local Services (DLS) Director's Office based on the agency's operating expenditures in unincorporated King County.	8,595	0	0.0	0.0
<b>Technical Adjustments</b>				
(TA_001) Green River Basin TLTs Align King County's budget system with the King County Flood Control District (FCD) budget by adding appropriation authority for approved TLT positions (a program manager and an environmental scientist). These positions are expected to support the Green River Basin through 2020.	607,050	0	0.0	2.0

**2019-2020 Executive Proposed Operating Budget  
KING COUNTY FLOOD CONTROL CONTRACT(EN\_A56100)**

<b>Decision Package Adjustment Detail</b>	<b>Expenditures</b>	<b>Revenues</b>	<b>Reg FTE</b>	<b>TLT</b>
(TA_003) Department of Natural Resources and Parks Overhead Allocation Update the overhead allocation for the Department of Natural Resources and Parks.	(38,678)	0	0.0	0.0
(TA_045) Overhead Cost Distribution to WLRD Funds Distribute central rates, administrative and overhead costs from central fund level to appropriate section/org unit level.	(758,912)	0	0.0	0.0
(TA_050) Revenue Updates (Non-Fee Increase Related) Adjust revenues based on updated forecasts.	0	(893,978)	0.0	0.0
(TA_110) Net-Zero Adjustment Update to align budget with the cost center structure that reflects the Flood District billing categories.	0	0	0.0	0.0
<b>Central Rate Adjustments</b>	668,652	0	0.0	0.0
<b>Total Decision Package Adjustments</b>	<b>(2,166,518)</b>	<b>(893,978)</b>	<b>0.0</b>	<b>2.0</b>

**2019-2020 Proposed Financial Plan  
Flood Control District Contract/000001561**

<b>Category</b>	<b>2017-2018 Estimated<sup>2</sup></b>	<b>2019-2020 Proposed Budget<sup>3</sup></b>	<b>2021-2022 Projected<sup>4</sup></b>	<b>2023-2024 Projected<sup>4</sup></b>
<b>Beginning Fund Balance<sup>1</sup></b>	<b>3,312</b>	<b>-</b>	<b>5</b>	<b>5</b>
<b>Revenues</b>				
Flood Control Reimbursement	18,664,117	20,607,101	21,603,719	22,956,937
Inter-County River Improvement Fund	94,850	94,850	35,396	-
Miscellaneous	596,200			
Capital Program Revenues <sup>5</sup>	99,406,061	116,334,269	123,419,031	130,935,250
<b>Total Revenues</b>	<b>118,761,228</b>	<b>137,036,220</b>	<b>145,058,146</b>	<b>153,892,187</b>
<b>Expenditures</b>				
Snoqualmie/SF Sky River Basin	(518,619)	(237,142)	71,991	76,375
Green River Basin	(1,048,461)	(779,080)	(826,526)	(876,861)
Cedar River Basin <sup>6</sup>	(298,087)	108,115	114,699	121,684
White River Basin <sup>6</sup>	(126,748)	103,738	110,056	116,758
Countywide Policy And Progs	(2,631,720)	(3,725,260)	(3,952,128)	(4,192,813)
Central Costs	(6,417,322)	(6,366,625)	(6,754,352)	(7,165,693)
Countywide Technical Services	(2,268,442)	(3,471,002)	(3,682,386)	(3,906,643)
Pgrm Mgt, Finance, Contracting, Admin	(2,092,114)	(2,395,039)	(2,540,897)	(2,695,637)
Asset Management Maintenance	(2,990,195)	(2,309,698)	(2,450,359)	(2,599,585)
Capital Strike Team <sup>6</sup>	(293,463)	9,711	10,302	10,930
Flood Warning Center	(175,422)	(627,431)	(665,642)	(706,179)
Pump Station Operations	(497,886)	(1,012,228)	(1,073,873)	(1,139,272)
<b>Total Expenditures<sup>7</sup></b>	<b>(19,358,479)</b>	<b>(20,701,941)</b>	<b>(21,639,115)</b>	<b>(22,956,937)</b>
<b>Estimated Underexpenditures</b>				
<b>Other Fund Transactions</b>				
Capital Fund Expenditures <sup>7,8</sup>	(99,406,061)	(116,334,274)	(123,419,031)	(130,935,250)
<b>Total Other Fund Transactions</b>	<b>(99,406,061)</b>	<b>(116,334,274)</b>	<b>(123,419,031)</b>	<b>(130,935,250)</b>
<b>Ending Fund Balance<sup>9</sup></b>	<b>-</b>	<b>5</b>	<b>5</b>	<b>5</b>
<b>Reserves</b>				
<b>Total Reserves</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
Reserve Shortfall	-	-	-	-
<b>Ending Undesignated Fund Balance</b>	<b>-</b>	<b>5</b>	<b>5</b>	<b>5</b>

**Financial Plan Notes**

- <sup>1</sup> Beginning Balance is consistent with the 2016 FBOD fund balance memo.
- <sup>2</sup> 2017-2018 Estimated reflects the best estimate for the biennium through May 2018 using GL\_10.
- <sup>3</sup> 2019-2020 Proposed Budget ties with expenditure and revenue data from Hyperion as of August 30, 2018.
- <sup>4</sup> Outyear projections assumes revenue and expenditure growth of 6.09% per biennium (3% annually).
- <sup>5</sup> Flood Control District revenues that are intended to reimburse the FCD Capital Contract fund 3571 for expenditures incurred.
- <sup>6</sup> Labor is loaned-out to the capital program; positive budgets are a result of loan-out that is inclusive of a 3rd burdened rate collected to recover overhead costs within the fund.
- <sup>7</sup> The total budget request is equal to Operating and Capital Fund Expenditures.
- <sup>8</sup> Capital expenditures reflect proposed appropriation in each biennium based on the proposed CIP in June 2018.
- <sup>9</sup> This fund operates on a reimbursement basis. Flood Control District practice has been to keep all reserves in the District fund (190010010) and reimburse the County's contract fund for all expenditures not covered by other revenue sources.

**2019-2020 Executive Proposed Operating Budget  
INTERCOUNTY RIVER IMPRVMT (EN\_A76000)**

<b>Operating Budget Summary</b>	<b>Expenditures</b>	<b>Revenues</b>	<b>Reg FTE</b>	<b>TLT</b>
<b>2017-2018 Revised Budget</b>	<b>100,000</b>	<b>100,000</b>	<b>0.0</b>	<b>0.0</b>
Base Budget Adjustments	5,150	0	0.0	0.0
Decision Package Adjustments	30,246	5,000	0.0	0.0
<b>2019-2020 Executive Proposed Budget</b>	<b>135,396</b>	<b>105,000</b>	<b>0.0</b>	<b>0.0</b>
<b>2019-2020 Executive Proposed Ordinance</b>	<b>136,000</b>	<b>105,000</b>	<b>0.0</b>	<b>0.0</b>

**Notes**

1. The 2017-2018 Revised Budget equals the 2017-2018 Adopted Biennial Budget plus all Adopted Supplementals as of the publication of this document.

2. Adjust base budget to remove one-time changes, annualize supplemental changes, and increase personnel budgets to 2019-2020 rates. Personnel budgets reflect projected 2019-2020 salary and benefit rates, current position classifications, and step/merit increases.

3. The Executive Proposed Budget is the sum of the Revised Budget, Base Budget Adjustments, and Decision Package Adjustments. All FTEs / TLTs are rounded to the nearest 1/10th of a position and in some cases, rounded numbers may not add up to the FTE/TLT totals in Executive Proposed. In the Executive Proposed Ordinance, expenditure and revenue totals are rounded up to the nearest 1,000 and FTEs and TLTs are rounded up to the maximum monthly FTEs / TLTs in the Biennium.

<b>Decision Package Adjustment Detail</b>	<b>Expenditures</b>	<b>Revenues</b>	<b>Reg FTE</b>	<b>TLT</b>
<b>Technical Adjustments</b>				
(TA_001) Adjust Revenue and Appropriate Fund Balance Appropriate fund balance and projected revenues to prepare the fund for closure after the expiration of the Inter-County River Improvement Levy in 2020.	35,396	0	0.0	0.0
(TA_050) Revenue Update Revise budgeted revenues to match current forecast. Update revenues to reflect the estimated timing of collections and interest earnings.	0	5,000	0.0	0.0
<b>Central Rate Adjustments</b>	(5,150)	0	0.0	0.0
<b>Total Decision Package Adjustments</b>	<b>30,246</b>	<b>5,000</b>	<b>0.0</b>	<b>0.0</b>

**2019-2020 Proposed Financial Plan  
Inter-County River Improvement Fund/000001820**

<b>Category</b>	<b>2017-2018 Estimated</b>	<b>2019-2020 Proposed</b>	<b>2021-2022 Projected</b>	<b>2023-2024 Projected</b>
<b>Beginning Fund Balance</b>	<b>10,499</b>	<b>30,364</b>	-	-
<b>Revenues</b>				
Property Taxes & Other Revenue	104,484	105,000	-	-
		-	-	-
<b>Total Revenues</b>	<b>114,983</b>	<b>135,364</b>	-	-
<b>Expenditures</b>				
Transfer to Flood District Contract fund	(90,000)	(130,246)	-	-
Central Costs	(5,118)	(5,150)	-	-
		-	-	-
<b>Total Expenditures</b>	<b>(95,118)</b>	<b>(135,396)</b>	-	-
<b>Estimated Underexpenditures</b>		<b>32</b>		
<b>Other Fund Transactions</b>				
<b>Total Other Fund Transactions</b>	-	-	-	-
<b>Ending Fund Balance</b>	<b>30,364</b>	-	-	-
<b>Reserves</b>				
<b>Total Reserves</b>	-	-	-	-
Reserve Shortfall	-	-	-	-
<b>Ending Undesignated Fund Balance</b>	<b>30,364</b>	-	-	-

**Financial Plan Notes**

2017-2018 Actuals reflect final Biennial-to-Date revenue and expenditure actuals from GL-010 report dated 06/20/18. The Beginning Fund Balance is from 2016 report from FBOD, posted on financial monitoring sharepoint site.

2019-2020 Proposed Budget is reflects full spending of the estimated revenues to be collected in addition to fund balance. Actual expenditures will not exceed fund balance at the the end of the biennium.

The fund will be proposed for closure in 2021, after the Interlocal Agreement and Levy expiration in 2020. The remaining Fund Balance will be transferred to Flood District Contract Fund. The Flood District Contract Fund has only assumed a status quo transfer and will need to be updated in its annual budgeting process to reflect the additional fund balance.

This plan was updated by Jillian Scheibeck on 09/06/2018.



# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Water and Land Resources, Fund: 3151 CONSERV FUTURES SUB-FUND, Cap Status: Approved, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3151 CONSERV FUTURES SUB-FUND - Water and Land Resources				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1047150	<b>WLCF FINANCE DEPT FND CHRG</b> STANDALONE		\$104,746	<p><b>Current Scope:</b> Conservation Futures King County - Finance Fund Charges: This project incurs annual central charges for the fund including General Fund overhead, Prosecuting Attorney's Office charges and other miscellaneous central charges.</p> <p><b>Budget Request Basis:</b> This project budget covers annual central charges for the fund including General Fund overhead, Prosecuting Attorney's Office charges and other miscellaneous central charges.</p>
1047152	<b>WLCF CFL PROGRAM SUPPORT</b> STANDALONE		\$811,006	<p><b>Current Scope:</b> Conservation Futures King County - Program Support: This project provides for ongoing program management support to the Conservation Futures Program. This includes preparation of interlocal agreements with cities, review of reimbursement requests from cities, staffing the Conservation Futures Citizen Committee, review and preparation of legislation and other land acquisition related support.</p> <p><b>Budget Request Basis:</b> This project provides for ongoing program management support to the Conservation Futures Program. This includes preparation of interlocal agreements with cities, review of reimbursement requests from cities, staffing the Conservation Futures Citizen Committee, review and preparation of legislation and other land acquisition related support.</p>
1047220	<b>WLCF KC TDR PROGRAM SUPPORT</b> STANDALONE		\$278,964	<p><b>Current Scope:</b> Conservation Futures King County - Transfer of Development Rights Program Support: Administration and management of open space acquisitions and sales of Transfer Development Rights credits in support of the Conservation Futures program goals.</p> <p><b>Budget Request Basis:</b> This project budget request provides for the administration and management of open space acquisitions and sales of Transfer Development Rights credits in support of the Conservation Futures program goals.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Water and Land Resources, Fund: 3151 CONSERV FUTURES SUB-FUND, Cap Status: Approved, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3151 CONSERV FUTURES SUB-FUND - Water and Land Resources				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1047226	<b>WLCF SNO - SNO RVRFRNT RCH</b> STANDALONE		\$525,000	<p><b>Current Scope:</b> Conservation Futures Snoqualmie – Snoqualmie Riverfront Reach: This is a multi-year project to remove frequently flooded homes and complete a passive waterfront park and Riverwalk Trail along the Snoqualmie River. The project area links Snoqualmie’s historic downtown on Railroad Avenue SE to the Snoqualmie Valley Regional Trail. The City seeks to acquire properties located in the FEMA-designated 100-year floodway which have experienced repetitive flood damage. Acquisition and restoration of the riverfront will improve habitat quality in this important wildlife habitat corridor. Restoration will contribute to Snoqualmie River water quality improvement by planting native vegetation and facilitating increased shading on the southern banks of the Snoqualmie (the river is 303(d) listed for temperature).</p> <p><b>Budget Request Basis:</b> 2019 fiscal year: Snoqualmie has prioritized four parcels containing approximately one acre of land in its current request. The CFT Committee recommendation will fully match the \$450,000 secured in Flood Control Zone District funds for three parcels, and will provide additional CFT funding that could be matched by Floodplains by Design or other match funding still being sought. Snoqualmie has made steady progress on acquisitions in recent years. In the broader 2.2-mile reach of the river, Snoqualmie has acquired more than 66 acres across 42 riverfront parcels. Within this specific project area, there are just 16 of out of a total of 28 residential properties remaining to be acquired.</p>
1047228	<b>WLCF ISS - ISSAQUH CRK WTRWY</b> STANDALONE		\$500,000	<p><b>Current Scope:</b> Conservation Futures Issaquah - Issaquah Creek Waterways: The Issaquah Creek Waterways project has multiple goals of preserving riparian habitat, creating an urban greenway and creekwalk opportunity, allowing for future restoration, protecting water quality, and improving the quality of life within the city. Issaquah has protected dozens of acres of natural lands along several miles of Issaquah Creek, a WRIA 8 Tier 1 priority stream which supports threatened chinook. Issaquah is providing local matching funds from a city park bond, which has helped them to continuously and successfully pursue acquisitions as properties become available. Through recent city park planning processes, Issaquah residents have continued to express strong support to preserve open space and add more trails, especially near Issaquah Creek.</p> <p><b>Budget Request Basis:</b> This year, the priority parcels expand protection along Issaquah Creek on Front Street just south of downtown to the intersection with Newport Way SE, and further downstream on Issaquah Creek near Pickering Farm. Issaquah has also included additional parcels in the long-term scope which could protect upland tributaries and hillsides that provide broader watershed protection, public land connections, habitat conservation, and scenic resource protection. The City still has an existing CFT fund balance in this project. This new award of \$500,000 will supplement those funds, allowing acquisition of an additional three priority parcels, up to two acres in size, based on the current priorities identifi</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Water and Land Resources, Fund: 3151 CONSERV FUTURES SUB-FUND, Cap Status: Approved, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3151 CONSERV FUTURES SUB-FUND - Water and Land Resources				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1116231	<b>WLCF KC BEAR CK WATERWAYS</b> STANDALONE		\$180,000	<p><b>Current Scope:</b> Conservation Futures King County - Bear Creek Waterways. The county has worked for decades to protect lands along Bear Creek and its tributaries through fee and easement acquisition and current use taxation enrollment. The WRIA 8 Salmon Conservation Plan and the Waterways 2000 Report recommended acquisition of many parcels to preserve riparian habitat, floodplain, habitat-forming process areas, adjacent wetlands, and upland headwaters.</p> <p><b>Budget Request Basis:</b> The project proposes to acquire four acres in two parcels (062510-0125 &amp; -0136) that would extend public ownership in a reach which already has fairly extensive protection along the creek corridor from past acquisitions. These parcels contain hundreds of feet of Bear Creek and enable additional restoration and preservation. Within the Middle Bear Creek scope, there were several King County Roads mitigation sites declared surplus in this reach. The Committee did not recommend funding at this time.</p>
1116264	<b>WLCF KC MASTER</b> STANDALONE		\$16,935,752	<p><b>Current Scope:</b> Conservation Futures King County - Master Project: This project holds the projected Conservation Futures Levy funding for to be allocated by the Conservation Futures Citizens Committee through the annual application, review, and approval process.</p> <p><b>Budget Request Basis:</b> This project budget holds the projected Conservation Futures Levy funding for 2020 to be allocated by the Conservation Futures Citizens Committee through the annual application, review, and approval process in July 2019.</p>
1122060	<b>WLCF KC COTTAGE &amp; COLD CREEK NATURAL AREA</b> STANDALONE		\$95,000	<p><b>Current Scope:</b> Conservation Futures King County - Cottage &amp; Cold Creek Natural Areas: This project includes Cottage Lake Creek and Cold Creek within its scope. Both Cold and Cottage Lake Creeks provide important habitat for resident and migratory birds, a diversity of wildlife, and Chinook, Coho, sockeye, and cutthroat trout. The broader Bear Creek basin is considered one of three core areas for WRIA 8 chinook salmon populations, with several hundred chinook spawning annually in the basin (2/3 of these in Cottage Lake Creek).</p> <p><b>Budget Request Basis:</b> The project focuses on a set of parcels comprising 36 acres that are under one family ownership. These contain 0.55 river miles of regionally significant chinook spawning habitat on Cottage Lake Creek. The entire purchase will take multiple years of fundraising. The Committee recommends funding toward initial acquisition and purchasing a parcel in this reach.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Water and Land Resources, Fund: 3151 CONSERV FUTURES SUB-FUND, Cap Status: Approved, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3151 CONSERV FUTURES SUB-FUND - Water and Land Resources				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1123828	<b>WLCF KC MITCHELL HILL FOR ADD</b> STANDALONE		\$275,000	<p><b>Current Scope:</b> Conservation Futures King County - Mitchell Hill Forest Additions: The Mitchell Hill Forest Additions project would add to 2,000+ acres of King County lands protected east of Issaquah in the Duthie Hill/Grand Ridge/Mitchell Hill/Canyon Creek/Preston Ridge complex, which connect to an additional 2,000+ acres of Washington State DNR lands. Acquisitions in this area preserve second growth forest, in an area where King County may perform forest stewardship to improve ecological health. The protected lands provide habitat benefits for upland species (including black bear, cougar, and approximately 80 species of resident birds) and water quality benefits to streams located in the upper reaches of the Patterson Creek, Raging River, and Issaquah Creek basins. King County and Washington State Department of Natural Resources partner to connect, develop, and maintain trails in this area which is popular for hiking, mountain biking, and horseback riding.</p> <p><b>Budget Request Basis:</b> The funding award will allow acquisition of approximately 3 or 4 parcels of the targeted 67 acres (7 parcels) identified for conservation in the project scope – likely focusing on forested parcels adjacent to Canyon Creek Natural Area and parcels at the northeast edge of Mitchell Hill Forest.</p>
1126725	<b>WLCF KC WAYNE GOLF COURSE BACK NINE</b> STANDALONE		\$650,000	<p><b>Current Scope:</b> Conservation Futures King County - Wayne Golf Course Back Nine: This 37.72-acre project will provide funding towards the purchase of the “Back Nine” holes of the Wayne Golf Course, including a wooded hillside, east of Waynita Way NE in Bothell. This site is currently unprotected from future development and the goal is to purchase it to preserve the open space and prevent future residential development. A portion of the property may in the future be used for riparian habitat mitigation restoration that enhances water quality and riparian habitat for the migratory salmonid population of the Sammamish Slough, and the project will also provide passive public access.</p> <p><b>Budget Request Basis:</b> The Committee understands that this is the final phase of fundraising and land acquisition at the Back Nine, to conserve the remaining five acres of land (parcel 182605-9025). There is \$2.6 million of RCO funding secured for Wayne Golf Course which the Committee understands will be applied to the Back Nine Phase 1 land. The RCO funds will reimburse \$2.6 million in CFT from the Phase 1 purchase. King County should be able to purchase an easement on the remaining five acres with the reimbursed \$2.6 million of CFT, \$284,139 CFT reallocated from the Front Nine, and the above recommended \$650,000 award. Match is provided by RCO and Parks Levy funds used in the Phase 1 purchase.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Water and Land Resources, Fund: 3151 CONSERV FUTURES SUB-FUND, Cap Status: Approved, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3151 CONSERV FUTURES SUB-FUND - Water and Land Resources				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1126743	<b>WLCF KC GR LOWER NEWAUKUM CREEK</b> STANDALONE		\$250,000	<p><b>Current Scope:</b> Conservation Futures King County - Lower Newaukum Creek: The Lower Newaukum Creek project seeks to protect riparian and adjacent upland habitat in the lower Newaukum Creek basin, one of the two most significant chinook and steelhead spawning habitat areas in the Green River Watershed. The Newaukum ravine is one of the largest in western Washington, four miles long and 2/3 of a mile wide at its widest point. The ravine’s slopes primarily support mature forest on both sides of the creek, and this area is part of a corridor for wildlife movement linking to thousands of acres of protected state and county lands along the Green River. Newaukum Creek is on the Clean Water Act 303(d) list for not meeting water quality standards such as water temperature. Preserving forest cover potentially helps improve water quality. Each year, there are a range of parcels identified in the scope of the project.</p> <p><b>Budget Request Basis:</b> This year, the scope focused on three parcels at the southern end of the ravine (two of which are part of a larger landholding in one family ownership), one parcel located about 1.5 miles north, and two parcels located along the Green River near Whitney Bridge Park. During the Committee review process, King County received approval for a scope addition adding two parcels to the existing scope (parcel 732770-0050 on the Green River, and parcel 112107-9011 in the Kanaskat area which was already in the Middle Green River Restoration project scope). There was also a scope clarification that the project is prioritizing parcel 282106-9004 which was formerly scoped as a secondary parcel.</p>
1126744	<b>WLCF KC GR MIDDLE NEWAUKUM / BIG SPRING CREEK</b> STANDALONE		\$225,000	<p><b>Current Scope:</b> Conservation Futures King County - Middle Newaukum/Big Spring Creek: This project is an ongoing multiple-parcel riparian habitat acquisition project that will provide additions to the Big Spring/Newaukum Creek Natural Area. The goal is to protect salmon habitat and water quality on Newaukum Creek, and to maintain cold water flow conditions from Big Spring Creek into Newaukum Creek (as described above, listed on the Clean Water Act 303(d) list for temperature among other factors). The targeted parcels contain important salmonid, bird and wildlife habitat, and are part of a much larger wetland system that used to extend across the plateau. Many of the targeted parcels have been farmed or used for livestock but are historically wetlands and are seasonally inundated. The applicant works with the County agriculture program to refine the approach to acquisition in Agricultural Production District. These lands are also very close to the edge of Enumclaw and acquisitions can help define the urban boundary between the city and the rural area.</p> <p><b>Budget Request Basis:</b> The recommended award will provide funding to acquire a few parcels in several stretches of Newaukum and Big Spring Creek, to remove structures built in or near wetlands and allow for restoration.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Water and Land Resources, Fund: 3151 CONSERV FUTURES SUB-FUND, Cap Status: Approved, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3151 CONSERV FUTURES SUB-FUND - Water and Land Resources				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1129253	<b>WLCF KC COUGAR MTN PARK ADDITIONS</b> STANDALONE		\$1,050,000	<p><b>Current Scope:</b> Conservation Futures King County - Cougar Mountain Regional Wildland Park Additions: This project generally seeks to add to the 3,000+ acres already preserved at Cougar Mountain, which together with adjacent Squak and Tiger Mountains in the Issaquah Alps provides important wildlife habitat outside of developing urban areas in Bellevue and Issaquah.</p> <p><b>Budget Request Basis:</b> This proposal targets 108 acres (022305-9001, -9002, and -9004) that are part of a historic family landholding on the south side of Cougar Mountain. These parcels contain mature forest, tributaries to May Creek, and trails that connect to Cougar Mountain and to a public road There are additional parcels adjacent and nearby which may be of future interest to the County. During the Committee review process, King County received approval for a scope addition adding nearby parcels to the scope of current funds already awarded at Cougar Mountain (352405-9010, -9022, -9034, -9021, and 022305-9022).</p>
1129256	<b>WLCF KC LOWER SOOS CREEK</b> STANDALONE		\$250,000	<p><b>Current Scope:</b> Conservation Futures King County - Lower Soos Creek: This project focuses on protecting land in the lower reaches of Soos Creek and its tributaries. The lower three miles of Soos Creek are core spawning and rearing areas for Green River fall chinook salmon and steelhead, and are an important corridor for other fish and wildlife species. The character of the creek varies through this reach, at some points meandering with off-channel wetlands and at other points located in more of a forested ravine. This area is impacted by noise from adjacent Pacific Raceways. Soos Creek is on the Clean Water Act Section 303(d) list for not meeting various water quality standards including temperature. Preserving forest cover potentially helps improve water quality. Development is scattered along these reaches of Soos Creek, with homes on both sides of the creek (requiring bridges to cross the creek at various points).</p> <p><b>Budget Request Basis:</b> Acquisition helps prevent construction of new homes and access routes, or allows for removal of existing structures and site restoration. The recommended funding should allow acquisition of one or two parcels.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Water and Land Resources, Fund: 3151 CONSERV FUTURES SUB-FUND, Cap Status: Approved, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3151 CONSERV FUTURES SUB-FUND - Water and Land Resources				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1129267	<b>WLCF KC PINER POINT NAT AREA</b> STANDALONE		\$400,000	<p><b>Current Scope:</b> Conservation Futures King County - Piner Point Natural Area: This project is a multiple-year effort to purchase properties on Piner Point on the south end of Maury Island. Piner Point is a bluff-backed shoreline where sand and gravel from the hillside naturally erode down to the beach, feeding an intertidal shoreline sediment drift cell that flows to the north with the Puget Sound currents. The properties contain a madrone-dominated forest that is unusual in Puget Sound lowlands. King County has been acquiring properties at Piner Point for several years to remove shoreline armoring and to restore the natural beach functions. This area contains spawning areas for three species of forage fish (pacific herring, surf smelt, and sand lance), eelgrass beds, and other nearshore features important for juvenile salmonid habitat. These features help support the food chain for many types of terrestrial and marine wildlife and birds. This is a regionally important project for its preservation of Puget Sound shoreline and support of chinook salmon populations. The site has scenic views of south Puget Sound and Mount Rainier.</p> <p><b>Budget Request Basis:</b> The current proposal seeks funds to continue to acquire small inholding parcels between Piner Point and Northilla Natural Areas – targeting 1.75 acres across five parcels. The applicant has been successful in securing significant state RCO funding for this project. The recommended award is entirely Conservation Futures funding, as RCO funds serve as match.</p>
1129269	<b>WLCF KC FARMLAND EASE ENUMCLAW APD/TDR</b> STANDALONE		\$500,000	<p><b>Current Scope:</b> Conservation Futures King County - Enumclaw Agriculture Production District / Transfer of Development Rights: The goal of this project is to preserve prime agricultural lands within the Enumclaw Plateau and Green River Valley Agricultural Production Districts (APDs), and in nearby rural areas important to the farming economy. The continued loss of farms reduces the availability of valuable agricultural soils, and lessens the number farms which can support and maintain the economic basis for healthy agricultural production. This project helps King County to both protect viable farmland and support the broader agricultural economy. The matching funds for the project are Transfer of Development Rights funds.</p> <p><b>Budget Request Basis:</b> The current project scope includes fourteen farms totaling 735 acres. The full funding request would have funded five to seven transactions, on which the County would acquire conservation easements and transfer development rights on a few of the farms in the full scope. Many of these lands are farms which grow food or flowers, or which support the local dairy industry through hay production, livestock grazing, or other dairy infrastructure.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Water and Land Resources, Fund: 3151 CONSERV FUTURES SUB-FUND, Cap Status: Approved, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3151 CONSERV FUTURES SUB-FUND - Water and Land Resources				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1129272	<b>WLCF KC FARMLAND ACQ GREEN APD/TDR</b> STANDALONE		\$235,000	<p><b>Current Scope:</b> Conservation Futures King County - Lower Green River Valley Farmland Sander's Estate: This project has a goal of helping to preserve farmland in the Lower Green River Plateau APD between Kent and Auburn. This project supports the King County Executive's local food initiative goal of returning 400 acres of fallow farmland per year back into active farming. The farms are located between Kent and Auburn, and they serve as an important and scenic urban separator that prevents the two cities from merging into one continuous band of urban development.</p> <p><b>Budget Request Basis:</b> This project seeks to acquire a conservation easement and transfer development rights to permanently protect one farm and its forested wetlands in the Lower Green River APD. The Sanders Estate is a 23-acre parcel (352204-9019) located on S. 277th Street. The parcel mostly is located within the Lower Green River APD, with a portion located in unincorporated urban King County just east of Kent. The Sanders Estate is a wedding venue, where the landowners seek to return 5-6 acres of the property to agricultural uses, as a potential source for flowers and produce used for wedding activities. The easement would cover up to 20 acres of the property, encompassing some of the wetlands on site.</p>
1132069	<b>WLCF FED HYLEBOS W/SHED CONS</b> STANDALONE		\$500,000	<p><b>Current Scope:</b> Conservation Futures Federal Way - Hylebos Watershed Conservation: The City of Federal Way, with strong support from the community and the Save Weyerhaeuser Campus group, is working on a regionally significant project to protect open space on the former Weyerhaeuser campus. The project targets about 54 acres of Category 1 wetland, wetland buffer, lakefront, and associated forests along North Lake in the headwaters of the East Hylebos Watershed. The campus functions as a community separator near the edge of the urban growth area. The acquisition would preserve a popular trail system adjacent to a WDFW boat launch. The long-term vision for conservation of this campus is still being developed (e.g. as related to the nearby bonsai and rhododendron gardens that are outside of the current project scope).</p> <p><b>Budget Request Basis:</b> Federal Way was already awarded \$1 million in 2018 CFT funding, matched with \$1 million in city surface water management funds. Federal Way and Forterra have received \$500,000 in state legislative appropriation toward acquisition. The recommended 2019 CFT award of \$500,000 would bring the total amount of funds raised to \$3 million. The City has applied this spring for a matching \$3 million from the state Recreation and Conservation Office, which would result in \$6 million total if awarded. The CFT Committee recognizes that this is a multi-year project, the costs of which may exceed \$6 million, and invites Federal Way to return with additional funding requests if more project funding is needed.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Water and Land Resources, Fund: 3151 CONSERV FUTURES SUB-FUND, Cap Status: Approved, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3151 CONSERV FUTURES SUB-FUND - Water and Land Resources				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1132091	<b>WLCF KC FROG HOLLER FOREST VI</b> STANDALONE		\$500,000	<p><b>Current Scope:</b> Conservation Futures King County - Frog Holler Forest Vashon Island: The County has recently started a multi-year project to conserve more than 500 acres of upland forest on the south end of Vashon Island, creating a community forest with passive recreational opportunities. The vision is to extend trails to the north, connecting via fee and easement acquisitions to Fisher Creek Forest and Misty Isle Farm. The vision also includes conservation of additional large forested landholdings with trail opportunities to the south of Frog Holler Forest. This site contains mature Douglas-fir and Pacific Madrone forests, offering significant wildlife habitat opportunity as part of the hundreds of forested acres in this part of Vashon Island. These forested uplands help support the water quality and quantity of tributary streams draining to Puget Sound. These acquisitions would preserve local-use trails in permanent public ownership, and expand the new community forest.</p> <p><b>Budget Request Basis:</b> This year's application targets a 39-acre parcel 242202-9016 (with 5-acre parcel 242202-9052 also in the scope).</p>
1132092	<b>WLCF KC KEEVIE LAKE</b> STANDALONE		\$200,000	<p><b>Current Scope:</b> Conservation Futures King County - Keevie Lake: This request is part of a multi-year project to protect approximately 170 acres at Keevie Lake (with a broader scope that includes adjacent forested lands). Keevie Lake is located west of Black Diamond in the headwaters of Crisp Creek, where the Muckleshoot Indian Tribe has its Keta Creek Hatchery downstream. The lake offers habitat for a diversity of bird species, and is located within several hundred acres of forest which offer wildlife habitat for large and small mammals and other species. Scenic Keevie Lake is relatively undeveloped which is rare in the county, and this is a unique opportunity to preserve this lake in its entirety. Immediately north of the target parcels the headwaters of Crisp Creek and associated wetlands are already preserved in more than 200 acres of land held as sensitive area tracts in Homeowner Association ownership. This land is located very close to where 6,000 new homes are being built in Black Diamond. King County Parks would manage the site as a natural area with appropriately sited backcountry trails.</p> <p><b>Budget Request Basis:</b> The recommended award for FY 2019 funding adds to the \$1,000,000 FY 2018 funding previously awarded (including Parks Levy and CFT). The Committee anticipates additional applications as the County works on the next phases of its purchase.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Water and Land Resources, Fund: 3151 CONSERV FUTURES SUB-FUND, Cap Status: Approved, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3151 CONSERV FUTURES SUB-FUND - Water and Land Resources				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1133801	<b>WLCF DEM VAN GASKEN PROP WATERFRONT OS</b> STANDALONE		\$594,000	<p><b>Current Scope:</b> Conservation Futures Des Moines - Van Gasken Property Waterfront Open Space: The City of Des Moines seeks to acquire 0.67-acre parcel 200900-3295 located on a bluff above Puget Sound, with sweeping views of the Olympics, Vashon Island, and city waterfront. The parcel will add to dozens of acres protected at nearby parks, which already offer shoreline access, forested habitat, and trails that will include the western terminus of the Lake to Sound Regional Trail. The acquisition will add a new viewpoint to the nearby parks, and offers opportunity for interpretive signage. The property has an older home and a rich history, and cultural resources consultation is underway to help inform the future of the property. The City may consider converting the home to a viewpoint shelter, or creating a new shelter to serve that purpose. To meet impervious surface requirements for CFT funds, the City has removed the footprint of the home and the garage from the CFT-funded portion of the site, which would reduce the estimated CFT-eligible costs to \$594,000. The City has worked with Forterra to buy and hold the property, to ensure it was not sold on the private market before funds could be raised. The City is seeking state Recreation and Conservation Office (RCO) funds as a match to CFT funds. The City indicated that local funds could be used short-term and/or to fill a funding gap in fundraising.</p> <p><b>Budget Request Basis:</b> For this project, the CFT award is anticipated to be a one-time award to this project, matched with city funding or RCO funding. Funding is anticipated to be expended in 2019 to complete the acquisition.</p>
1133802	<b>WLCF KEN SWAMP CREEK</b> STANDALONE		\$850,000	<p><b>Current Scope:</b> Conservation Futures Kenmore – Swamp Creek: Kenmore proposes to add to dozens of acres already protected along Swamp Creek. City seeks to preserve part of an 83-acre wetland that encompasses the creek corridor in northeast Kenmore, providing community separator and visual relief. This large wetland complex provides important wildlife habitat and water quality benefits to salmonid-bearing Swamp Creek (used primarily by coho salmon and cutthroat trout, with historic and potential use by chinook). The acquisitions may eventually support a future trail connection that the City envisions in this area, with a goal to link Wallace Swamp Creek Park north of the site and Squire’s Landing Park south of the site.</p> <p><b>Budget Request Basis:</b> Kenmore seeks to acquire two parcels that contain about 5.8 acres, with additional long-term targets nearby. The City will match awarded CFT funds with city funding, plus the value of a land trade on an additional 0.6-acre parcel that was acquired recently with non-CFT funds at the mouth of Swamp Creek (which will be encumbered with CFT deed restrictions when used as a land match).</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Water and Land Resources, Fund: 3151 CONSERV FUTURES SUB-FUND, Cap Status: Approved, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3151 CONSERV FUTURES SUB-FUND - Water and Land Resources				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1133803	<b>WLCF KNT UPPER MILL CREEK CANYON</b> STANDALONE		\$445,000	<p><b>Current Scope:</b> Conservation Futures Kent – Upper Mill Creek Canyon: Kent seeks CFT funding reimbursement for the 3-acre parcel 292205-9211, adding to 107-acre Mill Creek Earthworks Park. This acquisition satisfies a long-term park development goal to create a southern trailhead and entry point the park. The park links Kent’s East Hill neighborhood to Kent’s downtown. In the north end of the park there is a renowned landscape Earthworks sculpture (the city’s first designated landmark). A 1.5-mile long trail will lead down the length of the canyon from this parcel to the Earthworks. The acquisition preserves mature second-growth forest, adding to wildlife habitat and forest canopy already protected in Mill Creek Earthworks Park. The parcel could have been subdivided into 13 home sites. The parcel is located within 70 feet of Mill Creek. Preservation of the forest and future restoration supports the aquatic health of the upper reaches of this salmon-bearing stream.</p> <p><b>Budget Request Basis:</b> The property has been acquired by Kent, and City of Kent CIP funds provide the match to CFT. Kent may choose to exclude a small square footage of the property from CFT restrictions for more intensive development than typically allowed under CFT. That determination will be made prior to CFT funding reimbursement in 2019.</p>
1133804	<b>WLCF SEA AURORA-LICTON SPRINGS UVP</b> STANDALONE		\$500,000	<p><b>Current Scope:</b> Conservation Futures Seattle – Aurora-Licton Springs Urban Village Park: Seattle seeks to acquire 0.29-acre parcel 099300-1605 in the rapidly developing Aurora-Licton Springs Residential Urban Village in north Seattle. In the City’s 2017 Parks and Open Space Plan, this urban village is identified as having one of the largest open space gaps in the city, with over half of the urban village not served by a park. There is strong community support for creating additional park space in this area. The parcel is sizeable, mostly open grass and landscaping with an older home on one side of the lot. The parcel is surrounded by recently built townhouses and multi-story apartment buildings, with additional buildings under construction. In this challenging real estate market, the City has a unique opportunity to work with a landowner who is interested in seeing the property preserved as a park rather than redeveloped.</p> <p><b>Budget Request Basis:</b> Seattle proposes to match CFT funding with Seattle Park District funding.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Water and Land Resources, Fund: 3151 CONSERV FUTURES SUB-FUND, Cap Status: Approved, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3151 CONSERV FUTURES SUB-FUND - Water and Land Resources				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1133805	<b>WLCF SEA CHEASTY GREENSPACE ADD</b> STANDALONE		\$125,000	<p><b>Current Scope:</b> Conservation Futures Seattle – Cheasty Greenspace Addition: The City seeks to add 0.24-acre parcel 162404-9095 to the Cheasty Greenspace in southeast Seattle, which provides open space and wildlife habitat on the eastern side of Beacon Hill. The greenspace encompasses the historic and scenic Olmstead-designed Cheasty Boulevard, a scenic corridor which supports soft-surface trails instead of paved sidewalks, and which provides significant visual relief to visitors and drivers as a protected green corridor in a dense urban landscape. Cheasty Greenspace contains about 65 acres, with additional protected lands at adjacent Jefferson Park Golf Course. This area of southeast Seattle is designated as a Neighborhood Revitalization Area where the City strives to achieve revitalization by providing recreation and environmental amenities. The acquisition of this 0.24-acre inholding parcel would prevent development of two homes, and avoid disturbance to the boulevard greenway and the trail from two new driveway crossings. As part of the Green Seattle partnership, this parcel would be revegetated and restored when it is added to the protected corridor.</p> <p><b>Budget Request Basis:</b> Seattle would match CFT with Seattle Park District funds.</p>
1133806	<b>WLCF SEA COLLEGE ST RAVINE ADD</b> STANDALONE		\$300,000	<p><b>Current Scope:</b> Conservation Futures Seattle – College Street Ravine Addition: Seattle seeks to add 0.28 acres in five parcels to the College Street Ravine. These parcels have been longtime targets to consolidate and complete greenbelt ownership. The College Street Ravine is part of the Duwamish Head Greenbelt, an identified preservation priority for Seattle since the 1993 Urban Green Spaces Policy. Portions of Duwamish Head Greenbelt are visible from downtown Seattle. This ravine and the adjacent Duwamish Head Greenbelt provide important habitat for many birds and small mammals in a dense urban environment, and provide neighborhood separators between residential and commercial/industrial areas. At College Street Ravine, trails lead through a forested landscape that is actively being restored and maintained by neighborhood and stewardship groups such as Green Seattle Partnership and the Nature Consortium. The City owns most of property on both sides of the ravine. Acquisition of the target parcels located on the edges of the ravine would help preserve the character of this forested corridor, and prevent development of homes that visually impact the greenspace experience of the College Street Ravine (as has happened on one or two nearby parcels along the corridor).</p> <p><b>Budget Request Basis:</b> Seattle would match CFT with Seattle Park District funds.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Water and Land Resources, Fund: 3151 CONSERV FUTURES SUB-FUND, Cap Status: Approved, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3151 CONSERV FUTURES SUB-FUND - Water and Land Resources				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1133807	<b>WLCF SEA DUWAMISH WATERWAY PARK STANDALONE</b>		\$550,000	<p><b>Current Scope:</b> Conservation Futures Seattle – Duwamish Waterway Park: While Duwamish Waterway Park functions as a Seattle park, the 1.26-acre parcel 732790-1195 that comprises most of the park acreage is actually owned by King County. This area is the site of an old oxbow lake which was filled in during the 1920s. The County has owned this parcel since the early 1900s, operating a dock on this property for the first few decades of its ownership. The site has been used as a park since the 1970s, managed by Seattle Parks under an agreement with King County. In 1974, the City installed a carved wooden whale sculpture and dedicated the park to the Duwamish Indian Tribe as part of the “Rediscover the Duwamish Festival.” In addition to this County-owned parcel, the park acreage and protected Duwamish River shorelines enjoyed by visitors includes land owned by Seattle Parks and Recreation, Port of Seattle, and unopened Seattle Department of Transportation rights-of-way. The South Park neighborhood in which this park is located has a significant deficit of green space within the community. This park is an important feature in the neighborhood, providing open space to gather and play, and visual and physical access to the river.</p> <p><b>Budget Request Basis:</b> The City of Seattle is seeking funding to acquire the 1.26-acre parcel from King County, matching CFT with Seattle Park District funds.</p>
1133808	<b>WLCF SEA MADRONA RAV ADD STANDALONE</b>		\$450,000	<p><b>Current Scope:</b> Conservation Futures Seattle – Madrona Ravine Addition: Seattle seeks funding to complete a long-sought acquisition of 0.6-acre parcel 142220-0501 in the Madrona Ravine. This one parcel had been held out of the purchase agreement when a family sold several adjacent properties to the City in recent years. This parcel currently has a small house. Recent redevelopment proposals include a multi-story home set on the edge of the forested ravine, which would change the character of the site. Acquisition would allow removal of the home and would complete the vision to protect the site. Madrona Creek flows through this forested ravine, through Madrona Park, to Lake Washington. More than a decade ago, a community-initiated project funded in part by WRIA 8 helped to daylight the creek, restore the shoreline, establish creek culverts to allow fish passage, and build new pedestrian paths and bridges. This urban greenspace is an important wildlife corridor supporting small mammals and many bird species (including nesting eagles and Coopers hawks), serving as an upland extension of the 31-acre Madrona Park on the Lake Washington shoreline. Friends of Madrona Woods is actively involved in stewarding the Madrona Ravine greenspace.</p> <p><b>Budget Request Basis:</b> The City of Seattle will match CFT with Seattle Park District funds.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Water and Land Resources, Fund: 3151 CONSERV FUTURES SUB-FUND, Cap Status: Approved, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3151 CONSERV FUTURES SUB-FUND - Water and Land Resources				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1133809	<b>WLCF SEA ORCHARD ST RAVINE ADD</b> STANDALONE		\$125,000	<p><b>Current Scope:</b> Conservation Futures Seattle – Orchard Street Ravine Addition: The Orchard Street Ravine is a pocket of open space within a West Seattle neighborhood which serves as visual respite and a neighborhood connector. The undeveloped Orchard Street right-of-way is bordered on both sides by 2.2 acres of Seattle Parks land. The property was acquired in the 1990s to conserve the unique conifer-madrone forest on site (a habitat type present on only 52 acres out of 2,700 acres owned by Seattle Parks). The community actively stewards the park, and helps maintains a network of trails through the site. The City seeks to purchase 0.13-acre parcel 431920-0080 with an abandoned home adjacent to the park that will help buffer the site from adjacent development and allow for restoration.</p> <p><b>Budget Request Basis:</b> The City of Seattle will match CFT with Seattle Park District funds.</p>
1133810	<b>WLCF TUK DUWAMISH RIVER HABITAT CORRIDOR</b> STANDALONE		\$335,000	<p><b>Current Scope:</b> Conservation Futures Tukwila – Duwamish River Habitat Corridor: Tukwila is proposing to acquire 0.93-acre parcel 073300-0225 located next to the Green River Trail to provide riverfront public access and restoration opportunity along the Duwamish River. The property owner has actively worked with public agencies to try to conserve the parcel for public use as open space, rather than pursuing private sale and redevelopment. This site offers passive park opportunity, with trails and viewpoints, in a neighborhood with no other passive parks. The acquisition would allow the removal of two structures, invasive weed control, and restoration. The City will preserve mature trees that shade the southern riverbank, where the property contains 160 feet of tidally influenced shoreline within the Duwamish River transition zone. Public ownership could facilitate shoreline restoration to further salmon recovery efforts (nearby restoration project sites just downstream include Duwamish Gardens, Chinook Wind, and North Winds Weir). The property has scenic resource value because of the Duwamish River and the views of the Duwamish Hill Preserve – another CFT-funded purchase which contains the opposite shoreline and the geologically unique and culturally important hill rising in view across the river.</p> <p><b>Budget Request Basis:</b> The source of match funding is still to be determined.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Water and Land Resources, Fund: 3151 CONSERV FUTURES SUB-FUND, Cap Status: Approved, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3151 CONSERV FUTURES SUB-FUND - Water and Land Resources				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1133811	<b>WLCF KC MOSS LAKE NA ADD</b> STANDALONE		\$50,000	<p><b>Current Scope:</b> Conservation Futures King County - Moss Lake Natural Area Additions: More than a decade ago, King County purchased the development rights from the 90,000-acre Snoqualmie Forest. This project is located at the western edge of the Snoqualmie Forest, where lands encumbered by the forest conservation easement extend between Moss Lake Natural Area, the Tolt Pipeline Road, and Marckworth State Forest. King County seeks to acquire the underlying fee to one or more of these parcels on the western edge of Snoqualmie Forest. This acquisition would provide significant public benefit by permanently protecting the trail connections that already exist on these parcels – used by mountain bikers, hikers, and equestrians under a permit-based system. These lands would need forest stewardship as there have been recent harvests. The lands contain ecologically important systems such as the drainage upstream of Moss Lake bog and the upper reaches of Stossel Creek. They support wildlife habitat as part of the larger protected forest system. The price of the property should be relatively low as development rights have been removed from the property. King County is exploring whether to pursue additional parcels in future years based on landowner interest, and with possible partnership with Washington State Department of Natural Resources.</p> <p><b>Budget Request Basis:</b> This project is awarded start-up funding to help with title, appraisal, and due diligence. The Committee supports this project, and anticipates additional funding request next year as the County makes progress with the landowner to understand full scope and cost of targeted acquisitions.</p>
1133812	<b>WLCF KC SNOQUALMIE VALLEY TRAIL NORTH</b> STANDALONE		\$106,000	<p><b>Current Scope:</b> Conservation Futures King County - Snoqualmie Valley Trail North: King County seeks to secure an easement or fee ownership on 0.34 miles of parcel 062607-9027, a former railroad right-of-way. This acquisition would complete the northern end of the 31-mile long Snoqualmie Valley Trail corridor, near the Snohomish-King County line.</p> <p><b>Budget Request Basis:</b> While King County used to own fee title to the railroad right-of-way, the prior landowner of the adjacent property built a dairy barn and outbuildings on the right-of-way. A court settlement granted him ownership of the right-of-way through the parcel, and gave King County a term-limited easement (expiring in September 2019) to route the trail along the banks of the Snoqualmie River. The riverfront route is infeasible due to bank erosion, flood risk, environmental impacts, and negative impacts on working farmlands. The current landowner seems willing to work with King County to resolve the issue. The County received \$25,000 in 2018 PL funds for start-up work. The Committee recommends full funding in 2019, recognizing the importance of connecting the regional trail corridor between King and Snohomish County, and the time-sensitivity of resolving this issue in the next year. The Committee encourages ongoing work between King and Snohomish Counties to ensure that Snohomish County works to secure the necessary portions of the Snoqualmie Valley Trail right-of-way north of the county line.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Water and Land Resources, Fund: 3151 CONSERV FUTURES SUB-FUND, Cap Status: Approved, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3151 CONSERV FUTURES SUB-FUND - Water and Land Resources				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1133813	<b>WLCF KC THREE FORKS NA ADD</b> STANDALONE		\$60,000	<p><b>Current Scope:</b> Conservation Futures King County - Three Forks Natural Area Additions: This project would acquire nearly 5 acres of parcel 292408-9032 located on the south side of Reing Road, contiguous with Three Forks Natural Area. The County would acquire a portion of one larger parcel that would undergo a boundary line adjustment, leaving the north half of the parcel in private ownership and managed for sustainable forestry. The land to be acquired contains a beach along the Snoqualmie River with scenic views of Snoqualmie Valley Trail trestle. This beach is a popular summertime spot for public use, and it would be beneficial for King County Parks to manage the site. The property was identified as potential acquisition in the Three Forks Master Plan. The acquisition would add to the forested riparian habitat preserved at Three Forks Natural Area. The property contains Brockway Creek, which flows south to a slough within Three Forks Natural Area. There is scenic and historic significance to the site, as this portion of Reing Road is lined with mature sycamores planted early in the 20th century as part of the Snoqualmie Falls mill town located on this parcel.</p> <p><b>Budget Request Basis:</b> For this project, King County will acquire a five acre portion of a larger parcel. The portion King County will acquire has significant constraints. The King County Parks levy will match awarded CFT funds.</p>
1133814	<b>WLCF KC CEDAR RIVER OPP FUND</b> STANDALONE		\$500,000	<p><b>Current Scope:</b> Conservation Futures King County - Cedar River Additions: This project includes priority parcels along several miles of the Cedar River between Elliott Bridge Reach and Mouth of Taylor Reach. These areas were identified for habitat restoration and preservation in the Cedar River Legacy program, the WRIA 8 Salmon Conservation Plan, and the King County Flood Hazard Reduction Plan. The Cedar River supports chinook, coho, and sockeye salmon, and steelhead and cutthroat trout. The river and riparian zones provide wildlife habitat, and many of the targeted acquisitions would add to acreage already protected in a natural state along the river. Many lands along the Cedar River offer passive recreation opportunity on backcountry trails, easy access off of the popular Cedar River Trail, and visual and physical access to the river.</p> <p><b>Budget Request Basis:</b> This funding will allow for the purchase of one or more parcels, likely consisting of 1-5 acres total, within the target areas.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Water and Land Resources, Fund: 3151 CONSERV FUTURES SUB-FUND, Cap Status: Approved, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3151 CONSERV FUTURES SUB-FUND - Water and Land Resources				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1133816	<b>WLCF KC MOLASSES CREEK STANDALONE</b>		\$25,000	<p><b>Current Scope:</b> Conservation Futures King County - Molasses Creek: This project proposed to acquire up to five acres of King County Roads properties along Molasses Creek, in unincorporated urban areas east of Renton. The 2013 Soos Creek Regional Park Site Management Guidelines generally identified parcels in this area along Molasses Creek as having potential conservation value. Molasses Creek is used by coho and sockeye salmon and cutthroat trout (though use may be limited to the lower reaches downstream of the project site). Conserving wetlands and riparian habitat along the creek can support water quality and quantity in the downstream reaches as it flows to the Cedar River. The southern parcels in the scope are zoned R-6 which theoretically could support six homes per acre, though development would be expected to be constrained by critical areas, the permanently protected mitigation project footprint, and/or stormwater detention areas.</p> <p><b>Budget Request Basis:</b> The Committee recommended \$25,000 CFT at this time, which could help preserve the northern target parcel 282305-9126 that is adjacent to Soos Creek Park and Trail. The Committee recognizes and supports King County DNRP's general intent to preserve open space in urban unincorporated areas. The Committee would appreciate information about the broader set scope, timing, and cost/value of Road surplus properties – in particular mitigation sites such as these – to better understand the strategy for management, what covenants to protect the mitigation footprint, and appropriate planning for maintenance. The Committee would consider another request for funding on this project next year.</p>
1133817	<b>WLCF KC MID GREEN RIVER OS EXPAND STANDALONE</b>		\$250,000	<p><b>Current Scope:</b> Conservation Futures King County - Middle Green River Open Space Expansions: The County is exploring forest land protection in several areas of southeast King County, primarily southeast of Black Diamond, with a landowner with significant landholdings in the area. Across the landscape, these areas offer scenic benefits, provide habitat to many kinds of wildlife, and provide water quality and water quantity benefits within their watersheds. There may be potential to enroll these lands in a carbon credit program that is under development by the County, and to transfer development rights off of the properties.</p> <p><b>Budget Request Basis:</b> This is an initial funding request to help develop the proposal, which could lead to a longer-term project that helps to preserve thousands of acres of forest. These properties are part of the working forest landscape in this area, however the lands could be sold for residential uses in the future, resulting in a loss of working forest land base and habitat fragmentation. The County is still developing a strategy to protect these lands as working forest over the long term, which may include easement or fee acquisition, and may include partners such as Washington State agencies or private partners. Depending on the acquisition strategy that is developed, these lands could offer trail opportunities. Many of these properties connect to publicly owned lands under Washington State or King County ownership.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Water and Land Resources, Fund: 3151 CONSERV FUTURES SUB-FUND, Cap Status: Approved, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3151 CONSERV FUTURES SUB-FUND - Water and Land Resources				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1133819	<b>WLCF KC SNOQUALMIE VALLEY FARMLAND STANDALONE</b>		\$500,000	<p><b>Current Scope:</b> Conservation Futures King County - Snoqualmie Valley Farmland: The goal of this project is to preserve prime agricultural lands within the Snoqualmie Valley Agricultural Production District (APD) and in nearby rural areas important to the farming economy. The continued loss of farms reduces the availability of valuable agricultural soils, and lessens the number farms which can support and maintain the economic basis for healthy agricultural production. This project helps King County to both protect viable farmland and support the broader agricultural economy. The matching funds for the project are Transfer of Development Rights funds.</p> <p><b>Budget Request Basis:</b> The current project scope includes fourteen farms totaling 950 acres. The full funding request would have funded five to seven transactions, on which the County would acquire conservation easements and transfer development rights on a few of the farms in the full scope. Many of these lands are farms which grow food or flowers, or which support the local dairy industry through hay production, livestock grazing, or other dairy infrastructure. A small amount of Parks Levy funding will contribute to a trail easement in the Fall City area which will help connect Fall City Park to the Snoqualmie Valley Trail.</p>
1133820	<b>WLCF KC VASHON MAURY ISL FARMLAND STANDALONE</b>		\$300,000	<p><b>Current Scope:</b> Conservation Futures King County - Vashon-Maury Island Farmland: This project seeks to preserve agricultural lands on Vashon and Maury Islands where there are clusters of agricultural land uses and which are important to the farming economy. The continued loss of farms reduces the availability of valuable agricultural soils, and lessens the number farms which can support and maintain the economic basis for healthy agricultural production. This project helps King County to both protect viable farmland and support the broader agricultural economy. Farmlands in the rural area may be more vulnerable to conversion to other land uses than farms protected with agricultural zoning in the APDs. The matching funds for the project are Transfer of Development Rights funds.</p> <p><b>Budget Request Basis:</b> The project scope includes ten farms totaling 104 acres on Vashon and Maury Islands where there are clusters of agricultural land uses. The requested funding would allow the project to complete one or two transactions, on which the County would acquire conservation easements and transfer development rights on a portion of the farms in the full scope.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Water and Land Resources, Fund: 3151 CONSERV FUTURES SUB-FUND, Cap Status: Approved, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3151 CONSERV FUTURES SUB-FUND - Water and Land Resources				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1134923	<b>WLCF KC MASTER 2020 BOND</b> STANDALONE		\$24,000,000	<p><b>Current Scope:</b> Conservation Futures King County Master - 2020 Bond Project: This project holds the Conservation Futures Bond proceeds budget appropriations to be allocated by the Conservation Futures Citizens Committee through an application process, with budget appropriation approval through King County Council consent agenda.</p> <p><b>Budget Request Basis:</b> Issue of bonds to help accelerate the pace of acquisitions, lower the ultimate cost of acquisitions, and spread the acquisition costs to include future taxpayers who will also benefit from lands protected in perpetuity. This project is anticipated to fund a wide variety of open space acquisition projects throughout incorporated and unincorporated King County such as natural and river corridor lands, urban greenspaces, working forests, farmlands, regional trails, and – as authorized in July 2018 by Ordinance 18774 – open space equity lands in underserved communities. The actual project list and distributions will be determined by mid-2019. The Citizen Oversight Committee will submit a detailed report to the King County Executive and King County Council, and will offer presentations to the Executive and Council to review recommendations, with approval through the King County Council consent agenda process.</p>
1134983	<b>WLCF KC CFT DEBT SERVICE PYMTS</b> STANDALONE		\$17,731,369	<p><b>Current Scope:</b> Conservation Futures King County - Debt Service Payments: This project holds budget appropriations for the payment of prior and proposed debt obligations related to the fund.</p> <p><b>Budget Request Basis:</b> Debt service payments related to prior and proposed issuance of bonds to help accelerate the pace of acquisitions, lower the ultimate cost of acquisitions, and spread the acquisition costs to include future taxpayers who will also benefit from lands protected in perpetuity. The budget was developed using the forecast for existing bonds and future bonds starting in 2020 with a 30-year repayment period and 4.1% interest rate.</p>
<b>3151 - CONSERV FUTURES SUB-FUND</b>		<b>Total</b>	<b>\$72,261,837</b>	
<b>Grand Total</b>			<b>\$72,261,837</b>	

**Financial Plan 2019-2020 Biennial Budget  
CONSERVATION FUTURES LEVY SUBFUND / 000003151**

<b>Capital Improvement Program (CIP) Budget</b>					
	<b>2017-2018 Carryforward (YE ITD Balance)<sup>1</sup></b>	<b>2019-2020 Proposed<sup>2</sup></b>	<b>2019-2020 Total (Balance + Budget)</b>	<b>2021-2022 Projected<sup>3</sup></b>	<b>2023-2024 Projected<sup>3</sup></b>
<b>Capital Budget Revenue Sources:</b>					
Revenue Backing from Fund Balance	19,066,042	-	19,066,042	-	-
Conservation Futures Levy Current <sup>7</sup>	-	41,419,037	41,419,037	43,387,468	45,360,438
Residual Funds From Debt Service Fund <sup>13</sup>	-	5,900,000	5,900,000	-	-
Bond Proceeds <sup>12</sup>	-	24,000,000	24,000,000	20,000,000	20,000,000
Interest Income	-	842,800	842,800	1,103,480	1,254,400
Other Revenue <sup>11</sup>	-	100,000	100,000	100,000	100,000
<b>Total Capital Revenue</b>	<b>\$ 19,066,042</b>	<b>\$ 72,261,837</b>	<b>\$ 91,327,879</b>	<b>\$ 64,590,948</b>	<b>\$ 66,714,838</b>
<b>Capital Appropriation:</b>					
Acquisitions and Relocations	(19,066,042)	(72,261,837)	(91,327,879)	(64,590,948)	(66,714,838)
<b>Total Capital Appropriation</b>	<b>\$ (19,066,042)</b>	<b>\$ (72,261,837)</b>	<b>\$ (91,327,879)</b>	<b>\$ (64,590,948)</b>	<b>\$ (66,714,838)</b>

<b>CIP Fund Financial Position</b>						
	<b>2017-2018 Biennial to Date Actuals<sup>4</sup></b>	<b>2017-2018 Estimated<sup>5</sup></b>	<b>2019-2020 Biennial to Date Actuals</b>	<b>2019-2020 Estimated<sup>6</sup></b>	<b>2021-2022 Projected<sup>7</sup></b>	<b>2023-2024 Projected<sup>7</sup></b>
<b>Beginning Fund Balance</b>	<b>30,051,619</b>	<b>30,051,619</b>	<b>-</b>	<b>19,316,043</b>	<b>20,000,000</b>	<b>20,000,000</b>
<b>Capital Funding Sources</b>						
Conservation Futures Levy Current	16,112,969	20,795,169	-	41,419,037	43,387,468	45,360,438
Residual Funds From Debt Service Fund <sup>13</sup>	-	-	-	5,900,000	-	-
Bond Proceeds	-	-	-	24,000,000	20,000,000	20,000,000
Interest Income	533,420	647,483	-	842,800	1,103,480	1,254,400
Other Revenue	70,045	103,095	-	100,000	100,000	100,000
<b>Total Capital Revenue</b>	<b>\$ 16,716,434</b>	<b>\$ 21,545,747</b>	<b>\$ -</b>	<b>\$ 72,261,837</b>	<b>\$ 64,590,948</b>	<b>\$ 66,714,838</b>
<b>Capital Expenditures</b>						
Acquisitions and Relocations	(19,749,719)	(32,281,323)	-	(29,846,511)	(23,297,275)	(23,602,089)
Acquisitions and Relocations - Bond	-	-	-	(24,000,000)	(20,000,000)	(20,000,000)
Debt Service Payments	-	-	-	(17,731,369)	(21,293,673)	(23,112,749)
<b>Total Capital Expenditures</b>	<b>\$ (19,749,719)</b>	<b>\$ (32,281,323)</b>	<b>\$ -</b>	<b>\$ (71,577,880)</b>	<b>\$ (64,590,948)</b>	<b>\$ (66,714,838)</b>
Other Fund Transaction <sup>8</sup>	-	-	-	-	-	-
<b>Ending Fund Balance</b>	<b>\$ 27,018,334</b>	<b>\$ 19,316,043</b>	<b>\$ -</b>	<b>\$ 20,000,000</b>	<b>\$ 20,000,000</b>	<b>\$ 20,000,000</b>
<b>Fund Balance designated to current projects<sup>9</sup></b>	<b>\$ (27,018,435)</b>	<b>\$ (19,066,043)</b>	<b>\$ -</b>	<b>\$ (19,750,000)</b>	<b>\$ (19,750,000)</b>	<b>\$ (19,750,000)</b>
<b>Reserves</b>						
Reserve For Future Allocations	-	-	-	-	-	-
Cash Flow Reserve(s) <sup>10</sup>	(250,000)	(250,000)	-	(250,000)	(250,000)	(250,000)
<b>Total Reserves</b>	<b>\$ (250,000)</b>	<b>\$ (250,000)</b>	<b>\$ -</b>	<b>\$ (250,000)</b>	<b>\$ (250,000)</b>	<b>\$ (250,000)</b>
Projected Shortfall	-	-	-	-	-	-
<b>Ending Undesignated Fund Balance</b>	<b>\$ -</b>	<b>\$ 0</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**Financial Plan Notes:**

- <sup>1</sup> 2017-2018 Carryover column reflects the best estimate of the inception to date budget balances at the end of the 2017-2018 biennium.
- <sup>2</sup> 2019-2020 Proposed Budget is aligned with 2019-2020 proposed biennial budget. Includes total Conservation Futures Tax revenues and related debt service payments. Budget assumes ongoing Parks Levy matching funds for annual tax revenues only.
- <sup>3</sup> Outyear budget estimates are consistent with proposed budget estimates for outyears. Includes total Conservation Futures Tax revenues and related debt service payments. Budget assumes ongoing Parks Levy matching funds for annual tax revenues only.
- <sup>4</sup> 2017-2018 Biennial-to-Date Actuals reflects actual revenues and expenditures as of 05/30/2018, using EBS report GL\_010. The beginning and fund balance are consistent with the fund balance reported by FBOD.
- <sup>5</sup> 2017-2018 Estimated reflects updated revenue and expenditure estimates as of 05/29/2018.
- <sup>6</sup> 2019-2020 Estimated reflects updated revenue and expenditure estimates as of 08/27/2018. Includes total Conservation Futures Tax revenues and related debt service payments. Spending Plan assumes ongoing Parks Levy matching funds for annual tax revenues only.
- <sup>7</sup> Outyear revenue and spending estimates are based on current revenue estimates and project spending plans. Includes total Conservation Futures Tax revenues and related debt service payments. Spending Plan assumes ongoing Parks Levy matching funds for annual tax revenues only.
- <sup>8</sup> Other fund transactions include accounting adjustments to balance to budgetary fund balance.
- <sup>9</sup> Fund balance designated to current projects is for projects that are already appropriated. This fund balance cannot be used for other projects without disappropriating projects or creating a shortfall in the fund.
- <sup>10</sup> Cash flow reserve due to revenue fluctuations and debt service assumptions.
- <sup>11</sup> Includes: Sale of Tax Title Property, and Private Timber Harvest Tax.
- <sup>12</sup> Bond proceeds assumes zero Parks Levy matching funds post 2019. Allocation of bond funds will be through the Conservation Futures Citizens Committee with approval through the King County Council consent agenda. (Assumption: 30 year - 4.1%)
- <sup>13</sup> Residual conservation futures funds from the dissolution of the central debt service fund - one time occurrence.
- <sup>14</sup> This plan was updated by Veronica Doherty on 08/31/2018.

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: All, Fund: 3292 SWM CIP NON-BOND SUBFUND, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3292 SWM CIP NON-BOND SUBFUND - Water and Land Resources				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1033882	<b>WLER ECO RESTORE &amp; PROTECT</b> PROGRAMMATIC		\$2,375,982	<p><b>Current Scope:</b> Ecological Restoration and Protection Program - This project undertakes actions to restore and preserve important habitat ecosystems and/or protect property from events such as flooding, erosion, adverse water quality, vandalism or the deterioration of habitat. The highest priority projects in this program are those which protect or restore habitat for endangered species to maintain the health of the habitat. This includes projects for recon and feasibility analyses of proposed future projects; preserve and protect funds to protect acquired property from misuse by installing fences, bollards or removal of structures; project management improvements, including development and implementation of project management standards/procedures, payment of fees for use of PRISM and project audits; and adaptive management actions following project construction to ensure that project meet project goals and objectives, including protection private property and public safety.</p> <p><b>Budget Request Basis:</b> Each program forecasted anticipated work needed for the upcoming biennium. Cost estimates were based upon review of prior expenditures with the same scope. These costs were used to determine future costs for the anticipated work needs for the upcoming biennium.</p>
1034167	<b>WLER WRIA 7 ECOSYSTEM RESTORATN</b> PROGRAMMATIC		\$4,474,668	<p><b>Current Scope:</b> Water Resource Inventory Area 7 Ecosystem Restoration - This program undertakes actions to protect or restore aquatic ecosystems in the unincorporated portions of the Snoqualmie Watershed. The projects are primarily identified through WRIA 7 salmon conservation planning, Surface Water Management basin planning, and other investigation efforts by the Snoqualmie basin steward. Typical actions include reconnecting side-channel habitat to the mainstem river, removing levees and other forms of bank hardening, eliminating man-made barriers to fish migration (such as blocked culverts), increasing riparian forest cover to improve water quality, and adding large wood to increase instream habitat complexity.</p> <p><b>Budget Request Basis:</b> The budget requested for 2019-2020 is necessary in order to complete final design (Phase 3) for Frew Floodplain, Barfuse and Patterson Creek and to implement (Phase 4) for Tolt-San Souci and start planning and preliminary design (Phase 1 &amp; 2) for four new projects. The Budget request is based on a combination of bottom-up and analogous estimates derived from previously completed projects of similar scale and complexity.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: All, Fund: 3292 SWM CIP NON-BOND SUBFUND, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3292 SWM CIP NON-BOND SUBFUND - Water and Land Resources				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1034171	<b>WLER WRIA8 ECOSYSTEM RESTORATN PROGRAMMATIC</b>		\$12,916,285	<p><b>Current Scope:</b> Water Resource Inventory Area 8 Ecosystem Restoration - This program undertakes actions to protect or restore aquatic ecosystems in the unincorporated portions of the Cedar/Lake Washington Watershed. The projects are primarily identified through WRIA 8 salmon conservation planning, Surface Water Management basin planning, and other investigation efforts by the Cedar/Lake Washington watershed steward. Typical actions include reconnecting side-channel habitat to the mainstem river, removing levees and other forms of bank hardening, eliminating man-made barriers to fish migration (such as blocked culverts), increasing riparian forest cover to improve water quality, and adding large wood to increase instream habitat complexity.</p> <p><b>Budget Request Basis:</b> The budget requested for 2019-2020 is necessary in order to complete final design (Phase 3) for Little Bit and to implement (Phase 4) for Riverbend restoration and Little Bit and start planning and preliminary design (Phase 1 &amp; 2) for four new projects. The Budget request is based on a combination of bottom-up and analogous estimates derived from previously completed projects of similar scale and complexity.</p>
1034245	<b>WLER WRIA9 ECOSYSTEM RESTORATN PROGRAMMATIC</b>		\$6,373,294	<p><b>Current Scope:</b> Water Resource Inventory Area 9 Ecosystem Restoration - This program undertakes actions to protect or restore aquatic ecosystems in the unincorporated portions of the Green/ Duwamish Watersheds. The projects are primarily identified through WRIA 9 salmon conservation planning, Surface Water Management basin planning, and other investigation efforts by the Middle Green river basin steward. Typical actions include reconnecting side-channel habitat to the mainstem river, removing levees and other forms of bank hardening, eliminating man-made barriers to fish migration (such as blocked culverts), increasing riparian forest cover to improve water quality, and adding large wood to increase instream habitat complexity.</p> <p><b>Budget Request Basis:</b> The budget requested for 2019-2020 is necessary in order to complete final design (Phase 3) and to implement (Phase 4) for Lones Levee setback, Lower Newuakem Restoration and Flaming Geyser restoration, complete finaldesign on Lower Soos Creek restoration and start planning and preliminary design (Phase 1 &amp; 2) for two other new projects. The Budget request is based on a combination of bottom-up and analogous estimates derived from previously completed projects of similar scale and complexity.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: All, Fund: 3292 SWM CIP NON-BOND SUBFUND, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3292 SWM CIP NON-BOND SUBFUND - Water and Land Resources				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1034280	<b>WLER WRIA10 ECOSYSTEM RESTORATN PROGRAMMATIC</b>		\$395,000	<p><b>Current Scope:</b> Water Resource Inventory Area 10 Ecosystem Restoration - This program undertakes actions to protect or restore aquatic ecosystems in the unincorporated portions of the White River Watershed. The projects are primarily identified through WRIA 10 salmon conservation planning, Surface Water Management basin planning, and other investigation efforts by the WRIA10 basin stewards. Typical actions include reconnecting side-channel habitat to the mainstem river, removing levees and other forms of bank hardening, eliminating man-made barriers to fish migration (such as blocked culverts), increasing riparian forest cover to improve water quality, and adding large wood to increase instream habitat complexity.</p> <p><b>Budget Request Basis:</b> The budget requested for 2019-2020 is necessary in order to implement (Phase 4) for Middle Boise Creek restoration and revegetation. The Budget request is based on a combination of bottom-up and analogous estimates derived from previously completed projects of similar scale and complexity.</p>
1034282	<b>WLER VASHON ECOSYSTEM RESTORAT PROGRAMMATIC</b>		\$1,720,000	<p><b>Current Scope:</b> Vashon Ecosystem Restoration - This program undertakes actions to protect or restore aquatic ecosystems in the unincorporated portions of the Vashon-Maury Island Watershed. The projects are primarily identified through salmon conservation planning, Surface Water Management basin planning, and other investigation efforts by the basin stewards. Typical actions include reconnecting side-channel habitat to the mainstem river, removing levees and other forms of bank hardening, eliminating man-made barriers to fish migration (such as blocked culverts), increasing riparian forest cover to improve water quality, and recreating log jams to increase the dynamic complexity of river flows.</p> <p><b>Budget Request Basis:</b> The budget requested for 2019-2020 is necessary in order to complete final design (Phase 3) and construction (Phase 4) for Judd Creek Estuary Enhancement, continue Marine Shoreline Revegetation, implement phase 2 for the Maury Island Armoring removal program and start planning and preliminary design (Phase 1 &amp; 2) for one new project. The Budget request is based on a combination of bottom-up and analogous estimates derived from previously completed projects of similar scale and complexity. Estimates will be refined as the project progresses through design.</p>
1034287	<b>WLER SMALL HABITAT RESTORATION PROGRAMMATIC</b>		\$452,615	<p><b>Current Scope:</b> Small Habitat Restoration Program - The mission of SHRP is to build small low-cost habitat restoration projects to enhance and restore streams and wetlands and riparian habitat. Projects include stabilizing eroding streambanks, restoring fish access to upstream habitat, installing livestock fences, controlling invasive weeds, planting native vegetation and providing technical assistance to landowners and agencies. Projects are implemented in the White, Green, Puget Sound, Cedar-Sammamish-Lake Washington and Snoqualmie River basins and along Puget Sound.</p> <p><b>Budget Request Basis:</b> Budget request is based on past program estimates and actual costs. Program costs are somewhat scalable, wherein additional funding supports additional projects.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: All, Fund: 3292 SWM CIP NON-BOND SUBFUND, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3292 SWM CIP NON-BOND SUBFUND - Water and Land Resources				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1048125	<b>WLSWC PUBLIC SAFETY/PROPERTY PROGRAMMATIC</b>	✓	(\$1,245,000)	<p><b>Current Scope:</b> Stormwater Public Safety Program - This program is required to develop support services that are needed for an effective Capital Improvement Project Program. As an example, this program will support the ongoing improvement of the project management manual which is required by the County Executive Order and to ensure Capital Improvement Program projects are managed uniformly. This program will also support the development of the new Construction Management and Inspection Manual.</p> <p><b>Budget Request Basis:</b> This program will be closed in 2020. Transfer \$1,250,000 to Project 1117559, WLSWC FAIRWOOD 11 PIPE PHASE 2. This program remains from the prior (Pre-2017) Stormwater CIP structure, carryover appropriation was used to close-out and finish projects started prior to 2017. In 2017 all new projects are using the new structure which more closely aligns with product families developed in business planning efforts which include asset management, natural drainage systems, feasibility studies and water quality. This programmatic project will be closed in 2019-2020 as projects are completed.</p>
1111168	<b>WLFAC CAPITAL PROJECT OVERSIGHT ADMIN</b>		\$11,777	<p><b>Current Scope:</b> Capital Project Oversight - This project is for costs associated with the County Auditor's Office capital projects' oversight (CPO) with the mission of controlling cost overruns and unforeseen expansion of project scopes, schedules, and budgets on King County's large capital construction projects. The goals for the program include: (1) provide effective independent oversight; (2) focus the oversight on high-risk projects; (3) increase the likelihood of project success; (4) identify problems in a more timely manner; (5) provide clear, succinct reports; and (6) facilitate decision-making by the council.</p> <p><b>Budget Request Basis:</b> his funds the Capital Project Oversight (CPO) function in the Auditor's office. The request is based on a central model that allocated the 2019-2020 CPO Budget between capital funds based on the size of the budget request, excluding certain types of funds (open space, mitigation, etc.) and large equipment purchases. The budget was determined considering available carryover in addition to the allocation model.</p>
1117559	<b>WLSWC FAIRWOOD 11 PIPE PHASE 2 STANDALONE</b>		\$1,250,000	<p><b>Current Scope:</b> Stormwater Fairwood 11 Conveyance Pipe Replacement - This project is a capital improvement project to retrofit an existing King County regional storm water flow control facility, Facility DR0516. The facility controls flow discharges of Molasses Creek in to a 2000 feet underground conveyance pipeline which directs flow to open ravine on the south slope of Cedar River valley near Renton. The pipe to be replaced also performs in line flow control of Molasses Creek.</p> <p><b>Budget Request Basis:</b> This request is to transfer \$1,250,000 from Project 1048125, WLSWC PUBLIC SAFETY/PROPERTY. There is insufficient existing budget to complete the project within the current scope.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: All, Fund: 3292 SWM CIP NON-BOND SUBFUND, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3292 SWM CIP NON-BOND SUBFUND - Water and Land Resources				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1117841	<b>WLFAC 3RD BURDEN IMPACT 2013/14</b> ADMIN	✓	(\$11,777)	<p><b>Current Scope:</b> Finance Third Burden Impact for 2013-2014 Budget - This project is for the purpose to fund the impact to the capital projects in fund 3292 that were impacted by the increase in the indirect overhead (third burden) rate.</p> <p><b>Budget Request Basis:</b> Project is closed. This budget request moves remaining balance in project to Capital Project Oversight project number 1111168.</p>
1124928	<b>WL Transfer to Roads 1111819</b> STANDALONE	✓	(\$2,000,000)	<p><b>Current Scope:</b> Water and Land Resources Division Surface Water Management Fund Transfer to Roads Project 1111819 - This project is created to help fund maintenance and replacement of stormwater culverts running under County Roads.</p> <p><b>Budget Request Basis:</b> This is a technical adjustment is related to the \$ 2 m appropriated in this project as part of the council phase in the 2015-2016 capital budget, it did not have revenue backing. As a result, this unfunded project was created. This \$2M was adopted as part of the SWM fee increase in 2017-2018 but was appropriated in the operating fund and did not flow through the capital fund. This technical adjustment reduces expenditure authority in the capital fund to reflect that this transfer was already included in the operating fund.</p>
1129370	<b>WLSWC STEWARDSHIP WATERQUALITY</b> STANDALONE		\$0	<p><b>Current Scope:</b> Stormwater Stewardship Water Quality - This project provides match funding (partial reimbursement) for participants to implement agricultural best management practices as detailed in the Livestock Management and Critical Areas Ordinances. The cap per property is currently being analyzed. These cost share grants are awarded to landowners implementing practices included in a farm plan from the King Conservation District, USDA Natural Resources Conservation Service or other approved provider. A plan is not necessary, but it is preferred that the applicant work with a technical service agency partner. Typical Best Management Practices include manure and crop residue composting structures, manure management systems, buffer fencing for streams and wetlands, riparian plantings, roof runoff management, and high tunnels (simple greenhouses). King County conducts periodic outreach to advertise the program and monitors for compliance and effectiveness.</p> <p><b>Budget Request Basis:</b> The program has carryover funding which will be used to fund the program expenditures in the 2019-2020 biennium. There is no budget request for 2019-2020; budget request reflects planning estimates for outyears. Cost estimates were based upon review of prior expenditures with the same scope.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: All, Fund: 3292 SWM CIP NON-BOND SUBFUND, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3292 SWM CIP NON-BOND SUBFUND - Water and Land Resources				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1129371	<b>WLSWC GENERAL PROGRAMMATIC</b>		\$337,861	<p><b>Current Scope:</b> Stormwater General Program - This program provides funding for ongoing support services to Stormwater Capital Improvement and Preservation projects and programs, and oversees grant opportunity to fund capital projects. CIP support services include the ongoing implementation and improvement of the project management to comply with county requirements, provide general supports to CADD and Survey.</p> <p><b>Budget Request Basis:</b> The budget request for 2019-2020 is necessary in order to continue the ongoing support services to Stormwater Capital Improvement and Preservation projects and programs, and oversees grant opportunity to fund capital projects. The support services include CADD Management, Survey management, Record Management, Project Management, Coordination for Green Building and Sustainable Development, Cultural Resources, Permitting, and other services not funded by the operating budget.</p>
1129377	<b>WLSWC EMERGENT NEED CONTINGENCY STANDALONE</b>		\$185,000	<p><b>Current Scope:</b> WLSWC Emergent Need Contingency - This project provides a mechanism for funding existing Stormwater capital projects that has insufficient appropriation due to unforeseen circumstances and unanticipated project costs.</p> <p><b>Budget Request Basis:</b> The budget was determined by a calculation of less than 5% of total agency proposed Surface Water management fee for this fund.</p>
1129379	<b>WLSWCFS FEASIBILITY STUDIES PROGRAMMATIC</b>		\$952,692	<p><b>Current Scope:</b> Stormwater Feasibility Studies Program - This program funds studies that identify and assess the feasibility of potential CIP projects. Work in the program includes investigating and evaluating site conditions; and performing preliminary analyses of alternatives. The program is increasing to facilitate a more proactive approach to asset management being implemented for stormwater facilities. This new approach focuses on implementing asset preservation projects to replace or rehabilitate critical facility components before they fail rather than after they fail, thus avoiding the extra costs and damages that occur with failure.</p> <p><b>Budget Request Basis:</b> The budget forecast is prepared by estimating the cost of identifying and assessing the feasibility of potential CIP projects. This includes investigating and evaluating site conditions; and performing preliminary analyses of alternatives. The program is expanding to facilitate a more proactive approach to asset management being implemented for stormwater facilities. This new approach focuses on implementing asset preservation projects to replace or rehabilitate critical facility components before they fail rather than after they fail, thus avoiding the extra costs and damages that occur with failure</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: All, Fund: 3292 SWM CIP NON-BOND SUBFUND, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3292 SWM CIP NON-BOND SUBFUND - Water and Land Resources				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1129380	<b>WLSWCAD AGRICULTURE DRAINAGE PROGRAMMATIC</b>		\$1,765,750	<p><b>Current Scope:</b> Agricultural Drainage Assistance Program (ADAP) - This program provides assistance to farmers to improve drainage on their property. The ADAP provides support in the form of labor, supplies, and technical assistance to meet many of the permit requirements related to drainage projects such as de-fishing and native buffer planting. The benefits are increased productivity by bringing areas that were too wet to farm into production or extending the growing season for marginally wet properties. The proposed add in the ADAP budget for Farm Fish Flood (FFF) will facilitate the expansion of the ADAP program as part of the FFF process, provide scoping and project initiation/possible completion for a floodgate and/or pump pilot project as well as provide scoping and project initiation/possible completion for a large dredge and/or culvert pilot project.</p> <p><b>Budget Request Basis:</b> A 2016 Needs Assessment established an ADAP project waiting list with 136 discrete parcels identified representing 27 miles of channel maintenance needs. This assessment also concluded there are an estimated 530 parcels across King County that are in need of agricultural channel maintenance, representing 98 miles of total channel maintenance needs.</p>
1129381	<b>WLSWCND NEIGHBORHOOD DRAINAGE PROGRAMMATIC</b>		\$120,000	<p><b>Current Scope:</b> Neighborhood Drainage Assistance Program (NDAP) - This program's objectives are to reduce flooding on public and private property. The program also assists citizens in resolving smaller neighborhood problems of localized flooding, erosion, sedimentation, and water quality. These problems are typically identified through citizen drainage complaints or inspections. Actions typically include installing pipes and catch basins, upsizing culverts, removing accumulated sediment, stabilizing drainage channels. The actions may include providing technical assistance to property owners and small-scale drainage improvements.</p> <p><b>Budget Request Basis:</b> The program has approximately 30 potential projects on a wait list. The estimated cost to address the entire list of potential projects is over \$1 million. The request was based on funding available and competing priorities.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: All, Fund: 3292 SWM CIP NON-BOND SUBFUND, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3292 SWM CIP NON-BOND SUBFUND - Water and Land Resources				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1129382	<b>WLSWCE EMERGENCY PROGRAMMATIC</b>	✓	(\$390,302)	<p><b>Current Scope:</b> Stormwater Emergency Program - This program requires using capital funds to address unforeseen incidents that require urgent/immediate response posing imminent danger or risks to health, life or property. Those unforeseen incidents normally caused by major unexpected events (e.g. floods, heavy rainfall etc.) and are identified through complaint call from citizens. The Emergency Program funds projects* that provide design and construction to repair, restore or preserve function of stormwater systems that pose a threat to public safety. These projects are typically a result of large, rain events; major floods or erosion; or unforeseen incidents. *Note: currently &lt; \$250K due to day labor limit. Current allocation is \$400K per year for the Emergency Program</p> <p><b>Budget Request Basis:</b> This is a request to disappropriate budget for closure of the project. Most emergencies are now covered in the Asset Preservation project.</p>
1129383	<b>WLSWCDF NATURAL DRAINAGE FLOOD PROGRAMMATIC</b>		\$1,630,000	<p><b>Current Scope:</b> Stormwater Natural Drainage System Flood Program - Projects within this program address chronic drainage and flooding problems associated with the natural drainage system, such as stream, lakes, and wetlands. Projects will include constructing new facilities, improving/expanding existing facilities, removing sediment, controlling vegetation, or other work in the natural system to improve drainage or minimize flooding.</p> <p><b>Budget Request Basis:</b> Drainage projects are identified through the feasibility studies. Property acquisition may be required for project implementation.</p>
1129385	<b>WLSWCWQ WATER QUALITY PROGRAMMATIC</b>		\$423,474	<p><b>Current Scope:</b> Stormwater Water Quality Program - This program will apply Best Management Practices to manage stormwater runoff and improve water quality and stream health in unincorporated King County. The work includes "stormwater retrofitting" the older developed areas that are lack of stormwater flow control and/or water quality facilities; addressing erosion from stormwater pipe outlets.</p> <p><b>Budget Request Basis:</b> Basin retrofit projects are identified through Basin Studies (e.g. the Bear Creek Watershed Management Study Report, Small Basin Studies). Other projects will also be implemented to address erosion problems that impact water quality</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: All, Fund: 3292 SWM CIP NON-BOND SUBFUND, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3292 SWM CIP NON-BOND SUBFUND - Water and Land Resources				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1129388	<b>WLSWCA ASSET PRESERVATION PROGRAMMATIC</b>		\$3,855,007	<p><b>Current Scope:</b> Stormwater Asset Preservation Program - This program preserves or replaces the existing aging stormwater facilities/assets owned by Water and Land Resources Division (WLRD). Work includes the rehabilitation, restoration, and replacement of the facilities and/or their components (e.g. pipes, catch basins, manholes, etc.) to extend the life, improve and restore the function before or after they have failed or partially failed. Projects will be identified and prioritized through WLRD's stormwater asset management planning.</p> <p><b>Budget Request Basis:</b> The inventory of assets is evaluated, facilities that need quick actions are identified and cost estimates are developed. These facilities will be fixed before long term options are implemented. Long-term projects may take multiple years to implement.</p>
1129530	<b>WLER EMERGENT NEED CONTINGENCY STANDALONE</b>		\$261,973	<p><b>Current Scope:</b> Ecological Restoration Emergent Need Contingency - This project provides a management reserve for ecological capital design and construction projects. The amount of reserve (Contingency) is based upon the amount of construction funding planned for the current budget year. This project provides contingency funds to cover unanticipated unplanned program or project costs.</p> <p><b>Budget Request Basis:</b> The request was developed based on available funding and project prioritization.</p>
1133734	<b>WLER Carbon Sequestration Prog STANDALONE</b>		\$1,000,000	<p><b>Current Scope:</b> Carbon Sequestration Program - The carbon sequestration program expands WLRD tree planting efforts in order to help achieve carbon neutrality goals for divisions within DNRP. Currently, the program is intended to contribute to the carbon needs of the Wastewater Treatment Division, Solid Waste Division and the Water and Land Resources Division. Additional divisions or departments may participate in the future. The program is designed only for King County's internal carbon sequestration goals and will not be offered to external partners. WLRD has developed an approach for calculating lifetime metric tons of carbon equivalent (MTCO2eq) associated with tree planting projects. This approach applies to tree planting projects that represent an expansion of tree coverage into areas that do not currently have trees. The project incorporates conservative estimates of tree mortality, average tree growth rates and tree sizes at maturity. The program also includes five years of site maintenance, monitoring and reporting requirements.</p> <p><b>Budget Request Basis:</b> Water and Land Resources Division has two current memorandums of understanding in place with Wastewater and Solid Waste divisions for \$350,000/year. This also includes appropriation to allow for potential expansion.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: All, Fund: 3292 SWM CIP NON-BOND SUBFUND, Cap Status: All, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3292 SWM CIP NON-BOND SUBFUND - Water and Land Resources				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1135075	<b>WLER FISH PASSAGE PROGRAM</b> WLER ECO RESTORE & PROTECT		\$600,000	<p><b>Current Scope:</b> Water Land Ecological Restoration Fish Passage Program - This program will move forward with feasibility, design, and construction that will replace culverts that currently block fish passage with new culverts that fully restore fish passage and thereby allow fish to access important upstream habitat necessary for the long-term sustainability.</p> <p><b>Budget Request Basis:</b> The Water and Land Resources Division, WLRD, and Roads collaborated to develop a preliminary, planning level list of culvert replacement projects that are a priority for fish passage purposes and in consideration of the safety and condition of the public road system. In the next biennium, a combination of feasibility, design, and construction would be accomplished for the identified projects. Through these efforts, the proposed work would accelerate the pace of addressing fish passage concerns throughout the county. All work, including assessment of project viability throughout the planning and design process, would be done in consultation with tribes and Washington Department of Fish and Wildlife.</p> <p>Culvert replacement projects will be designed using a combination of WLRD engineering staff resources and consultant services. Culvert replacement projects will be designed using a combination of Roads engineering staff resources and consulting services. Some culvert project construction will be done by the existing Roads crew and, when the crew's capacity is exceeded, contractors will be used.</p>
<b>3292 - SWM CIP NON-BOND SUBFUND</b>		<b>Total</b>	<b>\$37,454,299</b>	
<b>Grand Total</b>			<b>\$37,454,299</b>	

**2019-2020 Proposed Financial Plan  
SWM Nonbond /00003292**

<b>Capital Improvement Program (CIP) Budget</b>					
	<b>2017-2018 Carryforward (YE ITD Balance) 1</b>	<b>2019-2020 Proposed 2</b>	<b>2019-2020 Total (Balance + Budget) 3</b>	<b>2021-2022 Projected 4</b>	<b>2023-2024 Projected 4</b>
<b>Capital Budget Revenue Sources:</b>					
Revenue Backing from Fund Balance	4,999,515		4,999,515	-	-
SWM Operating Transfer (Pay-As-You-Go) 5		16,210,336	16,210,336	17,118,115	18,230,792
Grant, ILA, Other	3,041,328	23,243,963	26,285,291	45,464,513	16,513,140
Technical Adjustment 6	2,000,000	(2,000,000)	-	-	-
Grant Contingency	8,750,000	-	8,750,000	-	-
<b>Total Capital Revenue</b>	<b>\$ 18,790,843</b>	<b>\$ 37,454,299</b>	<b>\$ 56,245,142</b>	<b>\$ 62,582,628</b>	<b>\$ 34,743,932</b>
<b>Capital Appropriation:</b>					
Stormwater Services Capital	(2,799,029)	(8,884,482)	(11,683,511)	(16,999,513)	(12,499,140)
Ecological Restoration Capital	(5,241,814)	(30,569,817)	(35,811,631)	(45,583,115)	(22,244,792)
Capital Project Oversight, ILA & other Grants	-	-	-	-	-
Technical Adjustment 6	(2,000,000)	2,000,000	-	-	-
Grant Contingency	(8,750,000)	-	(8,750,000)	-	-
<b>Total Capital Appropriation</b>	<b>\$ (18,790,843)</b>	<b>\$ (37,454,299)</b>	<b>\$ (56,245,142)</b>	<b>\$ (62,582,628)</b>	<b>\$ (34,743,932)</b>

<b>CIP Fund Financial Position</b>						
	<b>2017-2018 Biennial to Date Actuals 7</b>	<b>2017-2018 Estimated 8</b>	<b>2019-2020 Biennial to Date Actuals</b>	<b>2019-2020 Estimated 9</b>	<b>2021-2022 Projected 9</b>	<b>2023-2024 Projected 9</b>
<b>Beginning Fund Balance</b>	<b>6,544,728</b>	<b>6,544,728</b>		<b>4,999,515</b>	<b>3,419,086</b>	<b>1,042,987</b>
<b>Capital Funding Sources</b>						
SWM Operating Transfer (Pay-As-You-Go)	5,755,997	11,892,508	-	16,210,336	17,118,115	18,230,792
Debt Proceeds	912,219	912,219	-	-	-	-
Grant/ILA/Other 10	6,925,093	14,349,940	-	23,898,221	41,628,669	22,303,415
	-	-	-	-	-	-
<b>Total Capital Revenue</b>	<b>\$ 13,593,308</b>	<b>\$ 27,154,667</b>	<b>\$ -</b>	<b>\$ 40,108,556</b>	<b>\$ 58,746,784</b>	<b>\$ 40,534,207</b>
<b>Capital Expenditures</b>						
Stormwater	(5,377,417)	(11,726,926)	-	(11,683,511)	(16,999,513)	(12,499,140)
Ecological Restoration	(9,378,827)	(16,716,796)	-	(30,005,475)	(44,123,369)	(26,844,200)
Other Misc.	(138,186)	(256,158)	-	-	-	-
<b>Total Capital Expenditures</b>	<b>\$ (14,894,430)</b>	<b>\$ (28,699,880)</b>	<b>\$ -</b>	<b>\$ (41,688,986)</b>	<b>\$ (61,122,882)</b>	<b>\$ (39,343,340)</b>
<b>Other Fund Transactions</b>						
<b>Ending Fund Balance</b>	<b>\$ 5,243,606</b>	<b>\$ 4,999,515</b>	<b>\$ -</b>	<b>\$ 3,419,086</b>	<b>\$ 1,042,987</b>	<b>\$ 2,233,854</b>
<b>Fund Balance designated to current projects 11</b>	<b>\$ (5,243,606)</b>	<b>\$ (4,999,515)</b>	<b>\$ -</b>	<b>\$ (3,419,086)</b>	<b>\$ (1,042,987)</b>	<b>\$ (2,233,854)</b>
<b>Reserves</b>						
Grant Contingency						
Cash Flow						
<b>Total Reserves</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
Projected Shortfall						
<b>Ending Undesignated Fund Balance</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**Financial Plan Notes**

- 2017-2018 Carryover column reflects the best estimate of the inception to date budget balances at the end of the 2017-2018 biennium.
- 2019-2020 Proposed Budget is aligned with PIC.
- 2019-2020 Total Budget sums the carryover budget and the proposed budget.
- Outyear revenue and expenditure budget assumptions is aligned with PIC.
- SWM Operating Transfer (Pay-As-You-Go) matches amount shown in Fund 1211. This includes funding for the Fish Passage Program which may change in the outyears based on the assessment and conservations with tribes.
- Technical Adjustment is related to the \$ 2M appropriated in this Fund as part of the 2015-2016 capital budget it did not have revenue backing. This is shown as carryover revenue in the financial plan because spending authority was given but there was no revenue in the fund to support this expenditure authority. This \$2M was adopted as part of the SWM fee increase in 2017-2018 but was appropriated in the operating fund and did not flow through the capital fund.
- Biennial to Date (BTD) expenditures and revenue reflect EBS totals for budgetary accounts as of May 31, 2018 EBS GL10 report.
- 2017-2018 Estimated reflects the best estimate for the biennium.
- Outyear revenue projections and expenditure estimates are based on the most recent projections and reflect current project plans.
- It is assumed that 80% of grant revenue is received in the fiscal year due to the lag in grant billing. The large increase in grant revenue for 2021-2022 biennium is due to two large Ecological Restoration construction projects (\$ 24.5 M).
- Fund balance designated to current projects is for projects that are already appropriated. This fund balance cannot be used for other projects without disappropriating projects or creating a shortfall in the fund.
- Updated: August 31, 2018 Robert Kniestedt, Nishama Siriwardena

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Water and Land Resources, Fund: 3403 URBAN RESTOR & HBTAT RSTR, Cap Status: Approved, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3403 URBAN RESTOR & HBTAT RSTR - Water and Land Resources				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1047110	<b>WLR URBAN HABITAT RESERVE</b> STANDALONE		\$122,227	<p><b>Current Scope:</b> The Urban Reforestation and Habitat Restoration (URHR) Fund - This fund is intended to provide funds to volunteer organizations, community groups and government agencies for reforestation and habitat restoration projects within the Urban Growth Area of King County. The annual interest income that this fund earns is available for grant awards. The funds are for restoration projects and are not available for acquisition, and are awarded at \$500 to a maximum of \$12,000. This project is the primary project used for these awarded grants.</p> <p><b>Budget Request Basis:</b> The budget requested is adds appropriation to true up budget and actual spending.</p>
1134895	<b>WLR UHR PARTNERSHIPS</b> STANDALONE		\$710,981	<p><b>Current Scope:</b> Urban Habitat Restoration Partnerships - This project will leverage county funds through a public private/partnership to fund projects consistent with the intent of urban reforestation and habitat restoration. Our general approach will be to work with one, or more, lead partners who are able to provide significant program coordination and to fund individual tree-planting efforts from non-profit, cities and other organizations.</p> <p><b>Budget Request Basis:</b> The request is to spend the current fund balance, in collaboration with partners, to further the 1 million trees SCAP goal. Appropriating this project will allow for the investment of these funds to further climate goals through tree planting. Once this fund balance is spent, the fund will be proposed for closure.</p>
<b>3403 - URBAN RESTOR &amp; HBTAT RSTR</b>		<b>Total</b>	<b>\$833,208</b>	
<b>Grand Total</b>			<b>\$833,208</b>	

**2019-2020 Proposed Financial Plan  
Urban Reforestation and Habitat Restoration/000003403**

<b>Capital Improvement Program (CIP) Budget</b>					
	<b>2017-2018 Carryforward (YE ITD Balance)</b>	<b>2019-2020 Proposed</b>	<b>2019-2020 Total (Balance + Budget)</b>	<b>2021-2022 Projected</b>	<b>2023-2024 Projected</b>
<b>Capital Budget Revenue Sources:</b>					
Interest Revenue		9,038	9,038		-
Revenue Backing from Fund Balance	(122,227)	824,170	701,943	-	-
	-	-	-	-	-
<b>Total Capital Revenue</b>	<b>\$ (122,227)</b>	<b>\$ 833,208</b>	<b>\$ 710,981</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Capital Appropriation:</b>					
Grant awards	122,227	(833,208)	(710,981)	-	-
	-	-	-	-	-
<b>Total Capital Appropriation</b>	<b>\$ 122,227</b>	<b>\$ (833,208)</b>	<b>\$ (710,981)</b>	<b>\$ -</b>	<b>\$ -</b>

<b>CIP Fund Financial Position</b>						
	<b>2017-2018 Biennial to Date Actuals</b>	<b>2017-2018 Estimated</b>	<b>2019-2020 Biennial to Date Actuals</b>	<b>2019-2020 Estimated</b>	<b>2021-2022 Projected</b>	<b>2023-2024 Projected</b>
<b>Beginning Fund Balance</b>	<b>692,905</b>	<b>692,905</b>		<b>701,943</b>	-	-
<b>Capital Funding Sources</b>						
Interest Revenue	-	9,038	-	9,038		
	-	-	-	-	-	-
<b>Total Capital Revenue</b>	<b>\$ -</b>	<b>\$ 9,038</b>	<b>\$ -</b>	<b>\$ 9,038</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Capital Expenditures</b>						
Grants		-	-	(710,981)		
<b>Total Capital Expenditures</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ (710,981)</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Other Fund Transactions</b>						
		-		-		
<b>Ending Fund Balance</b>	<b>\$ 692,905</b>	<b>\$ 701,943</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Fund Balance designated to current projects*</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Reserves</b>						
Endowment Principal	(650,000)	(650,000)		-	-	-
Future Grants	(42,905)	(51,943)				
<b>Total Reserves</b>	<b>\$ (692,905)</b>	<b>\$ (701,943)</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
Projected Shortfall	-	-	-	-	-	-
<b>Ending Undesignated Fund Balance</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**Financial Plan Notes**

**CIP Budget Notes:**

All financial plans have the following assumptions, unless otherwise noted in below rows.

2017-2018 Carryover column reflects the best estimate of the inception to date budget balances at the end of the 2015-2016 biennium.

2019-2020 Proposed Budget ties to Hyperion.

2019-2020 Total Budget sums the carryover budget and the proposed budget.

Outyear revenue and expenditure budget assumptions tie to the outyears of the Attachment A, with exceptions explicitly noted.

Appropriation Notes: Appropriation request is based upon approval of council to allow principal amount to be used for grants and assumes full usage of all funds by end of 2019-2020 biennium. It also provides budget for prior period expenditures of \$122,227.

**CIP Fund Financial Position:**

All financial plans have the following assumptions, unless otherwise noted in below rows.

Biennial to Date (BTD) expenditures and revenue reflect EBS totals for budgetary accounts as of the most recent closed month.

2017-2018 Estimated reflects the best estimate for the biennium.

2019-2020 Estimated column reflects the best estimate for the biennium based on actuals.

Outyear revenue projections and expenditure estimates are based on the most recent projections and reflect current project plans

Revenues Notes:

Expenditure Notes:

Reserve Notes:

\* Fund balance designated to current projects is for projects that are already appropriated. This fund balance cannot be used for other projects without disappropriating projects or creating a shortfall in the fund.

This plan was update by Robert Kniestedt on 6/25/2018.

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Water and Land Resources, Fund: 3522 OS KC NON BND FND SUBFUND, Cap Status: Approved, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3522 OS KC NON BND FND SUBFUND - Water and Land Resources				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1047254	<b>WLOS PROPERTY CONVERSIONS &amp; ACQUISITIONS</b> STANDALONE		\$1,060,000	<p><b>Current Scope:</b> Open Space Property Conversions and Acquisitions - This project will be used for the acquisition of Farmlands and Open Space Lands. Farmlands should be within designated areas of the Sammamish, Lower Green, Upper Green, Snoqualmie Valley and the Enumclaw Plateau Agriculture Production Districts, and other agricultural lands of County significance.</p> <p><b>Budget Request Basis:</b> The Open Space Property Conversions and Acquisitions project holds spending authority pending the sale/surplus of non-bond funded farmland. Current plans include the sale of the Mount Peak north and south farms and use the proceeds for acquisitions in or near the Sammamish and Enumclaw Agricultural Production Districts (APD).</p>
1047267	<b>WLOS GRANT CONTINGENCY</b> PROGRAMMATIC		\$4,000,000	<p><b>Current Scope:</b> Open Space Grant Contingency - This project holds spending authority pending receipt of signed federal and state grants and interlocal agreements. Budget is activated in individual projects only after a signed agreement is received.</p> <p><b>Budget Request Basis:</b> The Open Space Grant Contingency project holds spending authority pending receipt of signed federal and state grants and interlocal agreements. Budget is activated in individual projects only after a signed agreement is received.</p>
<b>3522 - OS KC NON BND FND SUBFUND</b>		<b>Total</b>	<b>\$5,060,000</b>	
<b>Grand Total</b>			<b>\$5,060,000</b>	

**2019-2020 Proposed Financial Plan  
OPEN SPACE NON-BOND COUNTY PROJECTS / 000003522**

<b>Capital Improvement Program (CIP) Budget</b>					
	<b>2017-2018 Carryforward (YE ITD Balance)<sup>1</sup></b>	<b>2019-2020 Proposed<sup>2</sup></b>	<b>2019-2020 Total (Balance + Budget)</b>	<b>2021-2022 Projected<sup>3</sup></b>	<b>2023-2024 Projected<sup>3</sup></b>
<b>Capital Budget Revenue Sources:</b>					
Revenue Backing from Fund Balance	158,819		158,819	-	-
Grant and Other Revenue	5,267,804	4,000,000	9,267,804	5,300,000	4,200,000
Sale/Surplus of Farmland <sup>9</sup>	-	1,060,000	1,060,000	-	-
<b>Total Capital Revenue</b>	\$ 5,426,623	\$ 5,060,000	\$ 10,486,623	\$ 5,300,000	\$ 4,200,000
<b>Capital Appropriation:</b>					
Acquisitions and Relocations	(5,426,623)	(5,060,000)	(10,486,623)	(5,300,000)	(4,200,000)
<b>Total Capital Appropriation</b>	\$ (5,426,623)	\$ (5,060,000)	\$ (10,486,623)	\$ (5,300,000)	\$ (4,200,000)

<b>CIP Fund Financial Position</b>						
	<b>2017-2018 Biennial to Date Actuals<sup>4</sup></b>	<b>2017-2018 Estimated<sup>5</sup></b>	<b>2019-2020 Biennial to Date Actuals</b>	<b>2019-2020 Estimated<sup>6</sup></b>	<b>2021-2022 Projected<sup>7</sup></b>	<b>2023-2024 Projected<sup>7</sup></b>
<b>Beginning Fund Balance</b>	217,396	217,396	-	158,819	308,819	742,153
<b>Capital Funding Sources</b>						
Grants and Other Revenue	1,710,789	5,640,706	-	4,000,000	5,300,000	4,200,000
Sale/Surplus of Farmland	-	-	-	1,060,000	-	-
Interest Income	-	-	-	-	-	-
<b>Total Capital Revenue</b>	\$ 1,710,789	\$ 5,640,706	\$ -	\$ 5,060,000	\$ 5,300,000	\$ 4,200,000
<b>Capital Expenditures</b>						
Acquisitions and Relocations	(3,181,729)	(5,699,283)	-	(4,910,000)	(4,866,666)	(4,566,667)
<b>Total Capital Expenditures</b>	\$ (3,181,729)	\$ (5,699,283)	\$ -	\$ (4,910,000)	\$ (4,866,666)	\$ (4,566,667)
<b>Other Fund Transactions</b>						
		-	-	-		
<b>Ending Fund Balance</b>	\$ (1,253,544)	\$ 158,819	\$ -	\$ 308,819	\$ 742,153	\$ 375,486
<b>Fund Balance designated to current projects<sup>8</sup></b>	\$ -	\$ (158,819)	\$ -	\$ (308,819)	\$ (742,153)	\$ (375,486)
<b>Reserves</b>						
<b>Total Reserves</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Projected Shortfall	-	-	-	-	-	-
<b>Ending Undesignated Fund Balance</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Financial Plan Notes:**

- <sup>1</sup> 2017-2018 Carryforward column reflects the best estimate of the inception to date budget balances at the end of the 2017-2018 biennium.
- <sup>2</sup> 2019-2020 Proposed Budget is aligned with 2019-2020 proposed biennial budget.
- <sup>3</sup> Outyear budget estimates are consistent with adopted budget estimates for outyears.
- <sup>4</sup> 2017-2018 Biennial-to-Date Actuals reflects actual revenues and expenditures as of 05/30/2018, using EBS report GL\_010. The beginning and fund balance are consistent with the fund balance reported by FBOD.
- <sup>5</sup> 2017-2018 Estimated reflects updated revenue and expenditure estimates as of 05/29/2018.
- <sup>6</sup> 2019-2020 Estimated reflects updated revenue and expenditure estimates as of 05/29/2018.
- <sup>7</sup> Outyear revenue and spending estimates are based on current revenue estimates and project spending plans.
- <sup>8</sup> Fund balance designated to current projects is for projects that are already appropriated. This fund balance cannot be used for other projects without disappropriating projects or creating a shortfall in the fund.
- <sup>9</sup> Sale/Surplus of non-bond funded farmland which will be used to protect farmland throughout the Agriculture Production Districts.
- <sup>10</sup> This plan was updated by Veronica Doherty on 06/26/2018.

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Water and Land Resources, Fund: 3673 CRITICAL AREAS MITIGATION, Cap Status: Approved, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3673 CRITICAL AREAS MITIGATION - Water and Land Resources				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1047594	<b>WLMR CAO MR MASTER</b> STANDALONE		\$21,873,417	<p><b>Current Scope:</b> Critical Areas Mitigation Reserves Program Master - This project supports an "in-lieu-fee" compensatory mitigation program which provides a service to developers and other permittees whose projects require mitigation for impacts to aquatic resources. In lieu of completing their own mitigation, permittees can pay a mitigation fee to King County. The county then uses the fee to implement mitigation projects in places where projects will have the most benefit to the watershed in which the impact occurred. This is a master project which holds budget authority until developer fees are received and appropriate receiving sites are identified and approved through a multi-jurisdictional review team consisting of King County Department of Natural Resources, Washington State Department of Ecology, Army Corps of Engineers and local tribes.</p> <p><b>Budget Request Basis:</b> The Mitigation Reserves Program (MRP) has a focus on providing ecologically superior mitigation projects that offer an option for developers with unavoidable wetland and aquatic resource impacts to pay a fee to King County in-lieu of completing their own mitigation project. MRP projects are located in important ecological areas and address watershed needs. Larger projects that provide functions more quickly are preferred because they provide greater ecological benefits. In the current budget biennium, three large projects are planned for construction with important benefits to wetlands as well as salmonids in the Green River/Duwamish Watershed and the Cedar River/Lake Washington/Sammamish Watershed.</p>

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Water and Land Resources, Fund: 3673 CRITICAL AREAS MITIGATION, Cap Status: Approved, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3673 CRITICAL AREAS MITIGATION - Water and Land Resources				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1134299	<b>WLMR CARBON CREDITS LAND ACQ</b> STANDALONE		\$997,000	<p><b>Current Scope:</b> Mitigation Reserve Carbon Credits For Land Acquisitions - This project generates funding which will be contributed to eligible open space acquisitions throughout the County and cities. There is a three step process to generate funds: 1) Quantification of carbon sequestration benefits of forest preservation resulting from open space acquisitions, 2) External verification of these benefits (creating tradeable carbon "credits"), and 3) Sale of credits to businesses and other non-government entities wishing to offset their greenhouse gas emissions. Generated funds will be contributed to eligible open space acquisitions which meet the requirements of external carbon credit protocols. In general terms, acquisitions funded with revenues from carbon credit sales must at minimum permanently protect forest that is at risk of cutting for either timber production or conversion to a non-forest land use.</p> <p><b>Budget Request Basis:</b> As noted above under Project Justification, this project was one of several new private (non-tax) funding strategies for land conservation whose development was recommended by the King County Land Conservation Initiative Advisory Group in their Final Report (December 2017). Legislation has been proposed to allow for the fund to generate revenue from carbon credit sales. This project request uses those funds as matching funds for eligible open space acquisitions.</p>
<b>3673 - CRITICAL AREAS MITIGATION</b>		<b>Total</b>	<b>\$22,870,417</b>	
<b>Grand Total</b>			<b>\$22,870,417</b>	

**2019-2020 Proposed Financial Plan  
CRITICAL AREAS MITIGATION /00003673**

**Capital Improvement Program (CIP) Budget**

	2017-2018 Carryforward (YE ITD Balance) <sup>1</sup>	2019-2020 Proposed <sup>2</sup>	2019-2020 Total (Balance + Budget)	2021-2022 Projected <sup>3</sup>	2023-2024 Projected <sup>3</sup>
<b>Capital Budget Revenue Sources:</b>					
Revenue Backing from Fund Balance	13,286,249		13,286,249	-	-
Critical Areas Mitigation Fees <sup>11</sup>	-	21,480,561	21,480,561	4,100,000	4,100,000
Interest Earnings	-	392,856	392,856	322,764	211,200
Carbon Credits for Land Acquisitions		997,000	997,000	1,047,000	1,050,000
<b>Total Capital Revenue</b>	\$ 13,286,249	\$ 22,870,417	\$ 36,156,666	\$ 5,469,764	\$ 5,361,200
<b>Capital Appropriation:</b>					
Acquisitions	-	-	-	-	-
Restoration Projects	(13,286,249)	(21,873,417)	(35,159,666)	(4,422,764)	(4,311,200)
Carbon Credits for Land Acquisitions		(997,000)	(997,000)	(1,047,000)	(1,050,000)
<b>Total Capital Appropriation</b>	\$ (13,286,249)	\$ (22,870,417)	\$ (36,156,666)	\$ (5,469,764)	\$ (5,361,200)

**CIP Fund Financial Position**

	2017-2018 Biennial to Date Actuals <sup>4</sup>	2017-2018 Estimated <sup>5</sup>	2019-2020 Biennial to Date Actuals	2019-2020 Estimated <sup>6</sup>	2021-2022 Projected <sup>7</sup>	2023-2024 Projected <sup>7</sup>
<b>Beginning Fund Balance</b>	789,844	789,844	-	20,157,809	20,018,227	20,425,116
<b>Capital Funding Sources</b>						
Critical Areas Mitigation Fees	7,200,184	12,761,325	-	14,725,000	4,100,000	4,100,000
Interest Earnings	176,954	221,617	-	392,856	322,764	211,200
Carbon Credits for Land Acquisitions		116,000		881,000	1,047,000	1,050,000
<b>Total Capital Revenue</b>	\$ 7,377,138	\$ 13,098,942	\$ -	\$ 15,998,856	\$ 5,469,764	\$ 5,361,200
<b>Capital Expenditures</b>						
Acquisitions	-	-	-	-	-	-
Program Administration Fees	(295,799)	(420,297)	-	(461,611)	(485,903)	(510,500)
Restoration Projects	(1,188,372)	(1,985,240)	-	(15,114,827)	(7,824,774)	(5,824,251)
Carbon Credits for Land Acquisitions		-		(562,000)	(965,000)	(1,140,000)
<b>Total Capital Expenditures</b>	\$ (1,484,171)	\$ (2,405,537)	\$ -	\$ (16,138,438)	\$ (9,275,677)	\$ (7,474,751)
<b>Other Fund Transactions</b>						
Equity Adjustment - GAAP Liability <sup>8</sup>	6,183,780	8,674,560	-	-	4,212,802	2,236,986
<b>Ending Fund Balance</b>	\$ 12,866,591	\$ 20,157,809	\$ -	\$ 20,018,227	\$ 20,425,116	\$ 20,548,551
<b>Fund Balance designated to current projects<sup>9</sup></b>	\$ (12,866,591)	\$ (13,286,249)	\$ -	\$ (20,018,227)	\$ (20,425,116)	\$ (20,548,551)
<b>Reserves<sup>10</sup></b>						
Reserve For Future Allocations	-	(6,871,560)				
<b>Total Reserves</b>	\$ -	\$ (6,871,560)	\$ -	\$ -	\$ -	\$ -
Projected Shortfall	-	-	-	-	-	-
<b>Ending Undesignated Fund Balance</b>	\$ 0	\$ -	\$ -	\$ -	\$ -	\$ -

**Financial Plan Notes:**

- <sup>1</sup> 2017-2018 Carryforward column reflects the best estimate of the inception to date budget balances at the end of the 2017-2018 biennium.
- <sup>2</sup> 2019-2020 Proposed Budget is aligned with 2019-2020 proposed biennial budget.
- <sup>3</sup> Outyear budget estimates are consistent with Attachment A out years estimates with exceptions noted.
- <sup>4</sup> 2017-2018 Biennial-to-Date Actuals reflects actual revenues and expenditures as of 05/30/2018, using EBS report GL\_010. The beginning and fund balance are consistent with the fund balance reported by FBOD.
- <sup>5</sup> 2017-2018 Estimated reflects updated revenue and expenditure estimates as of 05/29/2018.
- <sup>6</sup> 2019-2020 Estimated reflects updated revenue and expenditure estimates as of 05/29/2018.
- <sup>7</sup> Outyear revenue and spending estimates are based on current revenue estimates and project spending plans.
- <sup>8</sup> GAAP liability adjustment per FBOD based on GASB 65, Sec. 9 interpretation of revenues from in-lieu mitigation fees. The FBOD annual accounting adjustment reduces the fund balance. This adjustment to the financial plan removes that accounting entry to reflect the cash fund balance.
- <sup>9</sup> Fund balance designated to current projects is for projects that are already appropriated. This fund balance cannot be used for other projects without disappropriating projects or creating a shortfall in the fund.
- <sup>10</sup> Revenues received that will be allocated to projects following budget approval.
- <sup>11</sup> Revenue projections include two large Sound Transit Mitigation credit sales in 2019-2020.
- <sup>12</sup> This plan was updated by Veronica Doherty on 06/25/2018.

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Water and Land Resources, Fund: 3691 TRNSF OF DEV CREDIT PROG, Cap Status: Approved, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3691 TRNSF OF DEV CREDIT PROG - Water and Land Resources				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1033971	WLTD TDR BANK STANDALONE		\$22,922,667	<p><b>Current Scope:</b> Transfer of Development Rights (TDR) Bank - This project acts as a revolving fund to accomplish land preservation through the buying, holding, and selling of Development Rights authorized by the TDR Program in King County Code 21A.37. Revenues are received from the sale of TDR credits to developers.</p> <p><b>Budget Request Basis:</b> The TDR program operates under King County Code 4A.200.730 to permanently protect rural and resource lands in King County, and to transfer, through the sale of TDRs, the development potential removed from conservation sites typically farm and forest lands) to urban areas where infrastructure can accommodate higher density development. Revenues from sale of TDRs are used to pay for future conservation acquisitions, which are determined in close coordination with program staff in the Agriculture and Forest Incentives Program (which includes the voter-approved Farmland Protection Program) and planning staff in Water and Land Resources and Parks and Recreation Divisions. These prioritization decisions are based on conservation values, risk of conversion, and known opportunity. This budget request will fund farmland acquisitions in the Snoqualmie, Enumclaw, and Green Agricultural Production Districts, as well as several Vashon farms.</p>
1033976	WLTD TDR PROGRAM SUPPORT STANDALONE		\$940,807	<p><b>Current Scope:</b> Transfer of Development Rights (TDR) Program Support - This project provides for ongoing administrative support to the TDR Program. This includes marketing, negotiating and developing new TDR partnership agreements with cities, acquisition of development rights from open space lands, review of grant reimbursement requests from jurisdictions, grant management and the review and preparation of legislation and other land acquisition related support.</p> <p><b>Budget Request Basis:</b> This project provides for on-going administrative support to the Transfer of Development Rights Program. This includes marketing, negotiating and developing new Transfer Development Rights partnership agreements with cities, acquisition of development rights from open space lands, review of grant reimbursement requests from jurisdictions, grant management and the review and preparation of legislation and other land acquisition related support.</p>
3691 - TRNSF OF DEV CREDIT PROG		Total	\$23,863,474	
<b>Grand Total</b>			<b>\$23,863,474</b>	

**2019-2020 Proposed Financial Plan  
TRANSFER OF DEVELOPMENT CREDIT PROGRAM/00003691**

<b>Capital Improvement Program (CIP) Budget</b>					
	<b>2017-2018 Carryforward (YE ITD Balance)<sup>1</sup></b>	<b>2019-2020 Proposed<sup>2</sup></b>	<b>2019-2020 Total (Balance + Budget)</b>	<b>2021-2022 Projected<sup>3</sup></b>	<b>2023-2024 Projected<sup>3</sup></b>
<b>Capital Budget Revenue Sources:</b>					
Revenue Backing from Fund Balance	10,082,636		10,082,636	-	-
TDR Fees & Program Support	-	23,190,633	23,190,633	8,165,000	3,000,000
Interest Earnings	-	672,841	672,841	678,181	210,365
<b>Total Capital Revenue</b>	\$ <b>10,082,636</b>	\$ <b>23,863,474</b>	\$ <b>33,946,110</b>	\$ <b>8,843,181</b>	\$ <b>3,210,365</b>
<b>Capital Appropriation:</b>					
Acquisitions	(10,082,636)	(22,922,667)	(33,005,303)	(7,844,602)	(2,150,972)
Program Administration Fees	-	(940,807)	(940,807)	(998,579)	(1,059,393)
<b>Total Capital Appropriation</b>	\$ <b>(10,082,636)</b>	\$ <b>(23,863,474)</b>	\$ <b>(33,946,110)</b>	\$ <b>(8,843,181)</b>	\$ <b>(3,210,365)</b>

<b>CIP Fund Financial Position</b>						
	<b>2017-2018 Biennial to Date Actuals<sup>4</sup></b>	<b>2017-2018 Estimated<sup>5</sup></b>	<b>2019-2020 Biennial to Date Actuals</b>	<b>2019-2020 Estimated<sup>6</sup></b>	<b>2021-2022 Projected<sup>7</sup></b>	<b>2023-2024 Projected<sup>7</sup></b>
<b>Beginning Fund Balance</b>	\$ <b>4,225,894</b>	\$ <b>4,225,894</b>	\$ -	\$ <b>10,082,636</b>	\$ <b>17,578,288</b>	\$ <b>12,611,490</b>
<b>Capital Funding Sources</b>						
TDR Fees & Program Support	15,203,213	19,761,933	-	23,660,000	8,165,000	3,000,000
Interest Earnings	136,987	218,617	-	672,841	678,181	210,365
<b>Total Capital Revenue</b>	\$ <b>15,340,200</b>	\$ <b>19,980,550</b>	\$ -	\$ <b>24,332,841</b>	\$ <b>8,843,181</b>	\$ <b>3,210,365</b>
<b>Capital Expenditures</b>						
Acquisitions	(7,670,120)	(13,773,219)	-	(15,896,382)	(12,811,400)	(13,230,000)
Program Administration Fees	(305,587)	(350,589)	-	(940,807)	(998,579)	(1,059,393)
<b>Total Capital Expenditures</b>	\$ <b>(7,975,707)</b>	\$ <b>(14,123,808)</b>	\$ -	\$ <b>(16,837,189)</b>	\$ <b>(13,809,979)</b>	\$ <b>(14,289,393)</b>
<b>Other Fund Transactions</b>						
<b>Ending Fund Balance</b>	\$ <b>11,590,387</b>	\$ <b>10,082,636</b>	\$ -	\$ <b>17,578,288</b>	\$ <b>12,611,490</b>	\$ <b>1,532,462</b>
<b>Fund Balance designated to current projects<sup>8</sup></b>	\$ <b>(11,590,387)</b>	\$ <b>(10,082,636)</b>	\$ -	\$ <b>(17,578,288)</b>	\$ <b>(12,611,490)</b>	\$ <b>(1,532,462)</b>
<b>Reserves</b>						
Reserve For Future Allocations		-				
<b>Total Reserves</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Projected Shortfall	-	-	-	-	-	-
<b>Ending Undesignated Fund Balance</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Financial Plan Notes:**

- <sup>1</sup> 2017-2018 Carryover column reflects the best estimate of the inception to date budget balances at the end of the 2017-2018 biennium.
- <sup>2</sup> 2019-2020 Proposed Budget is aligned with 2019-2020 proposed biennial budget.
- <sup>3</sup> Outyear budget estimates are projected based on anticipated revenue from known market demand which is dependent on economic conditions. Current biennial forecasts are more predictable than those in the out-years. The budget is consistent with Attachment A.
- <sup>4</sup> 2017-2018 Biennial-to-Date Actuals reflects actual revenues and expenditures as of 05/30/2018, using EBS report GL\_010. The beginning and fund balance are consistent with the fund balance reported by FBOD.
- <sup>5</sup> 2017-2018 Estimated reflects updated revenue and expenditure estimates as of 05/29/2018.
- <sup>6</sup> 2019-2020 Estimated reflects updated revenue and expenditure estimates as of 05/29/2018.
- <sup>7</sup> Outyear revenue and spending estimates are based on current revenue estimates and project spending plans.
- <sup>8</sup> Fund balance designated to current projects is for projects that are already appropriated. This fund balance cannot be used for other projects without disappropriating projects or creating a shortfall in the fund.
- <sup>9</sup> This plan was updated by Veronica Doherty on 06/20/2018.

# CAP Summary by Fund

Budget: 2019-2020 Biennial, Scenario: Executive Proposed, Agency: Water and Land Resources, Fund: 3840 FARMLAND & OPEN SPACE ACQ, Cap Status: Approved, Is IT Proj? Both Yes and No

## 2019-2020 Biennial - Executive Proposed

3840 FARMLAND & OPEN SPACE ACQ - Water and Land Resources				
Project Number	Project Name Class Code	Tech Adj	FY19-20	Narratives
1116281	<b>WLR Farmland Acquisition</b> STANDALONE		\$289,030	<p><b>Current Scope:</b> Farmland Acquisition - This project will acquire Farmlands and Open Space Lands within designated areas of the Sammamish, Lower Green, Upper Green, Snoqualmie Valley, and the Enumclaw Plateau Agriculture Production Districts, and other agricultural lands of County significance.</p> <p><b>Budget Request Basis:</b> Long-term goals for the Farmland Preservation Program, which is an integral component of the Land Conservation Initiative, has identified 10,500 acres of farmland that are the highest priority for protection through acquisition of conservation easements. Current plans include the sale of the Carnation Fields farm and use the proceeds for acquisitions in or near the Snoqualmie and Enumclaw Agricultural Production Districts.</p>
<b>3840 - FARMLAND &amp; OPEN SPACE ACQ</b>		<b>Total</b>	<b>\$289,030</b>	
<b>Grand Total</b>			<b>\$289,030</b>	

**2019-2020 Proposed Financial Plan  
FARMLAND AND OPEN SPACE ACQUISITION / 000003840**

<b>Capital Improvement Program (CIP) Budget</b>					
	<b>2017-2018 Carryforward (YE ITD Balance)<sup>1</sup></b>	<b>2019-2020 Proposed<sup>2</sup></b>	<b>2019-2020 Total (Balance + Budget)</b>	<b>2021-2022 Projected<sup>3</sup></b>	<b>2023-2024 Projected<sup>3</sup></b>
<b>Capital Budget Revenue Sources:</b>					
Revenue Backing from Fund Balance	-	124,030	124,030	-	-
Farmland Rental Income	-	-	-	-	-
Farmland Sale/Surplus	-	165,000	165,000	-	-
Interest Earnings	-	-	-	-	-
<b>Total Capital Revenue</b>	<b>\$ -</b>	<b>\$ 289,030</b>	<b>\$ 289,030</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Capital Appropriation:</b>					
Acquisitions	-	(269,030)	(269,030)	-	-
Supplies & Services	-	(20,000)	(20,000)	-	-
<b>Total Capital Appropriation</b>	<b>\$ -</b>	<b>\$ (289,030)</b>	<b>\$ (289,030)</b>	<b>\$ -</b>	<b>\$ -</b>

<b>CIP Fund Financial Position</b>						
	<b>2017-2018 Biennial to Date Actuals<sup>4</sup></b>	<b>2017-2018 Estimated<sup>5</sup></b>	<b>2019-2020 Biennial to Date Actuals</b>	<b>2019-2020 Estimated<sup>6</sup></b>	<b>2021-2022 Projected<sup>7</sup></b>	<b>2023-2024 Projected<sup>7</sup></b>
<b>Beginning Fund Balance</b>	<b>2,023,514</b>	<b>2,023,514</b>	-	<b>1,293,681</b>	-	-
<b>Capital Funding Sources</b>						
Farmland Rental Income	9,165	18,112	-	-	-	-
Farmland Sale/Surplus	-	-	-	165,000	-	-
Interest Earnings	129,463	135,000	-	-	-	-
	-	-	-	-	-	-
<b>Total Capital Revenue</b>	<b>\$ 138,628</b>	<b>\$ 153,112</b>	<b>\$ -</b>	<b>\$ 165,000</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Capital Expenditures</b>						
Acquisitions	(553,465)	(876,054)	-	(269,030)	-	-
Supplies & Services	(104,413)	(124,327)	-	(20,000)	-	-
<b>Total Capital Expenditures</b>	<b>\$ (657,878)</b>	<b>\$ (1,000,381)</b>	<b>\$ -</b>	<b>\$ (289,030)</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Other Fund Transactions<sup>8</sup></b>						
GASB 72 Fair Value Measurement (Land)	117,436	117,436	-	(1,169,651)	-	-
<b>Ending Fund Balance</b>	<b>\$ 1,621,700</b>	<b>\$ 1,293,681</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Fund Balance designated to current projects<sup>9</sup></b>	<b>\$ (368,141)</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Reserves<sup>10</sup></b>						
Reserve For Future Allocation	(83,908)	(124,030)	-	-	-	-
Reserve for Land Value	(1,169,651)	(1,169,651)	-	-	-	-
<b>Total Reserves</b>	<b>\$ (1,253,559)</b>	<b>\$ (1,293,681)</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
Projected Shortfall	-	-	-	-	-	-
<b>Ending Undesignated Fund Balance</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**Financial Plan Notes:**

- <sup>1</sup> 2017-2018 Carryover column reflects the best estimate of the inception to date budget balances at the end of the 2017-2018 biennium.
- <sup>2</sup> 2019-2020 Proposed Budget is aligned with 2019-2020 proposed biennial budget.
- <sup>3</sup> Outyear budget estimates are consistent with adopted budget estimates for outyears.
- <sup>4</sup> 2017-2018 Biennial-to-Date Actuals reflects actual revenues and expenditures as of 05/29/2018, using EBS report GL\_010. The beginning and fund balance are consistent with the fund balance reported by FBOD.
- <sup>5</sup> 2017-2018 Estimated reflects updated revenue and expenditure estimates as of 05/29/2018.
- <sup>6</sup> 2019-2020 Estimated reflects updated revenue and expenditure estimates as of 05/29/2018.
- <sup>7</sup> Outyear revenue and spending estimates are based on the assumption that this fund is pending closure in the out-years, WLRD will be developing options for fund closure.
- <sup>8</sup> Other fund transactions includes a GASB 72 Fair Value Measurement of Land accounting adjustment; this adjustment is required for funds that have acquired land for future sale. This adjustment to the financial plan removes that accounting entry to reflect the cash fund balance.
- <sup>9</sup> Fund balance designated to current projects is for projects that are already appropriated. This fund balance cannot be used for other projects without disappropriating projects or creating a shortfall in the fund.
- <sup>10</sup> Revenues received that will be allocated to projects following budget approval, and a reversal of the cumulative GASB 72 investment valuation.
- <sup>11</sup> This plan was updated by Veronica Doherty on 06/21/2018.